






DEVON AT A GLANCE:


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Production capacity
max 120 000 tpa
- 


Product range over
200 oils
100 greases
- 


Over 2 500
assorted SKUs
- 


High-quality base oils
and additive packages
- 


ISO 9001-2015
certified quality
management
- 


ISO-ILAC 17025:2005
internationally accredited
laboratory
- 


Liability insurance over
RUB 30 million
- 


Technological development
budget over
USD 20 million
- 

WMS
automated inventory
management
- 

Over 4 000 t
of minimum product
and feedstock balances
- 

Distribution:
80 Russian regions,
18 foreign countries
- 

National grant
for development
of lubricants
- 

Highly competitive
products
- 

Proprietary research
and development
capacities

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Foreword

Devon products include innovative oils and lubricants for a wide range of applications satisfying the needs of key industries, federal enterprises, and the consumer sector.

Devon Lubricants Plant LLC is located in the Republic of Bashkortostan, the largest oil refining region in Europe. Our story is the story of real searching with all its attributes such as readiness for starting anew, ingenuity as well as ability to find solutions and adapt to any conditions.

Recently, Devon has completed the integrated audit of its designs, upgraded its existing laboratory and production capacities to bring them into compliance with international standards. Still, our primary solution today is making our product brand more visible for consumers, for the public!

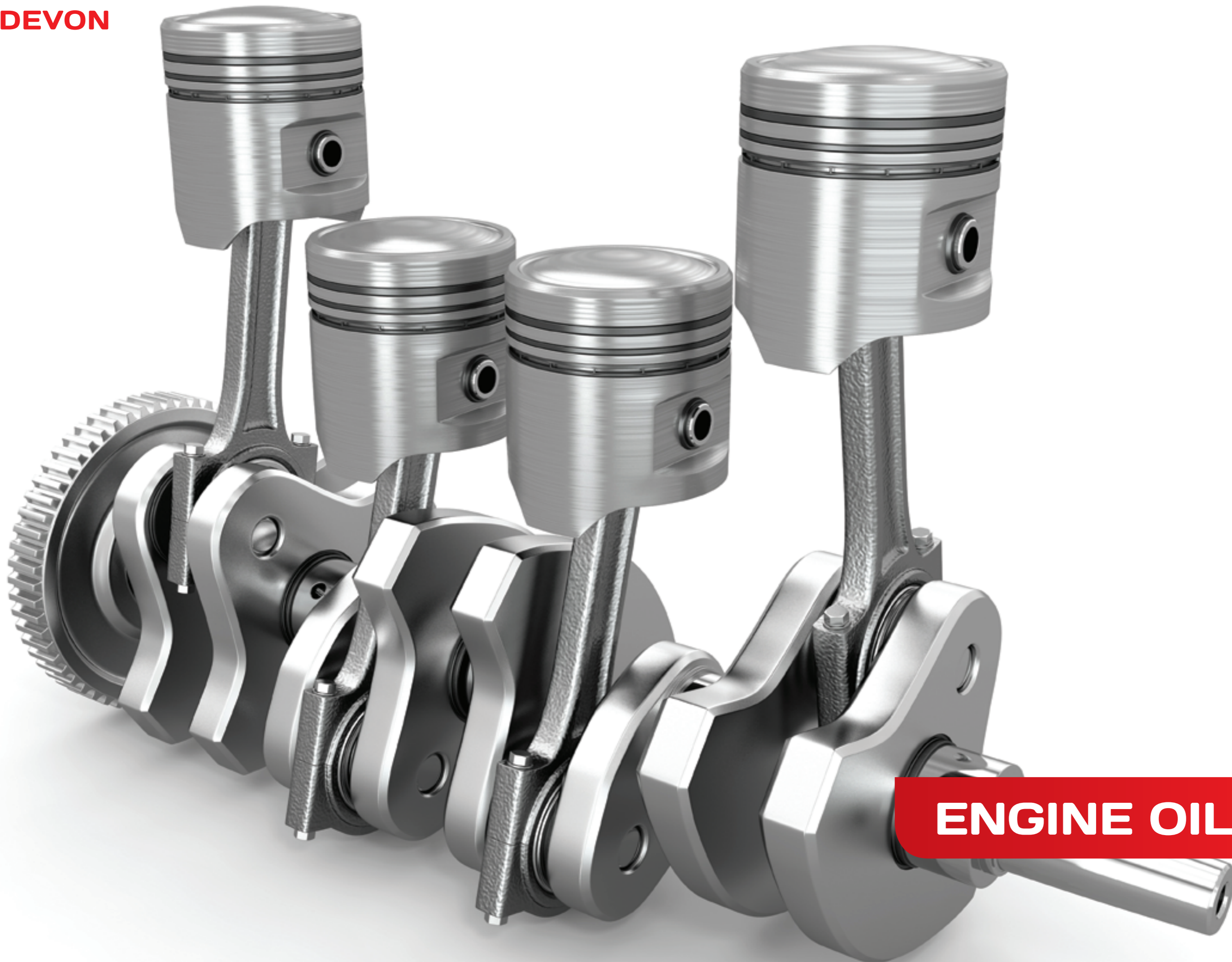
We realize the importance of specific actions, well-established recipes, feedstock quality, technologies and protecting the customer against any unforeseen twists of fate, and this is what we do best! Our customers know that Devon offers high-quality products!

Building long-term partnerships is our way of formulating our approach to product quality management. It is our business skill, competence, and standard operating procedure.

Devon Lubricants Plant LLC can develop and manufacture products according to its final consumers' specifications relying on industrial audit and special research data to ensure high quality of its products!

Our mission is to secure strategic Russian industries by developing, manufacturing and implementing top-quality lubricants for key industries exceeding the current industry requirements, and establishing future standards.

DEVON. CONFIDENCE IN PRESENT DAYS!



ENGINE OIL



Devon Speed Master SP GF-6A

A product line of premium synthetic energy-efficient engine oils utilizing group III, IV and V base oils for ultra high-power gasoline engines for Japan-, Korea- and US-made motorcars

Devon Speed Master SP GF-6A multigrade engine oils are designed for modern turbocharged gasoline engines, and exceed strict requirements of industrial specifications as well as major international automakers. They utilize group III synthetic oils, polyalphaolefins (PAOs) and esters, and boast improved fuel efficiency as well as low evaporability. They ensure maximum protection and extended service lives of engines.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

API SP/SN Plus/SN • ILSAC GF-6A/GF-5 • Fiat 9.55535-CR1 • Ford WSS-M2C962-A1 • GM Dexos1 Gen 2 • Honda • Hyundai • Isuzu • Kia Mazda • Mitsubishi • Nissan • Subaru • Toyota

BENEFITS:

PAOs + ESTERS	Fuel efficiency in accordance with ILSAC GF-6 requirements	Easy startup and protection of engines during operation in winter	Maximum wear protection of oil drag assemblies	High performance of engines in all operating modes including urban, highway and heavy-duty ones
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ADVANTAGES:

- Magnesium-based additive packages ensure protection against LSPI (Low Speed Pre-Ignition)
- Wear protection for cam chains (CCs)
- Compatibility with modern emission mitigation systems
- High oxidation stability throughout the oil drain interval
- Wide range of applications, and easy engine startup at low temperatures
- Purity control as well as protection of pistons and turbochargers against high-temperature deposits (fouling and glazing) Protection of bearing seats against corrosion and wear
- Excellent dispersion properties minimize low-temperature deposits
- Improved shearing stability, and strong oil film

APPLICATION:

- Multigrade oils for modern ultra high-power gasoline engines including turbocharged, direct fuel injection, and three-way catalyst (TWC) ones

TYPICAL PROPERTIES

Name	Test method	0W-20	5W-20
Viscosity index	ASTM D 2270	174	168
Kinematic viscosity, mm ² /sec at 100 °C at 40 °C	ASTM D 445	8.6 44.8	9.2 50.0
Flash point, COC, °C	ASTM D 92	222	228
Pour point, °C	ASTM D 97	-52	-45
Total Base Number, mg KOH/g	ASTM D 2896	8.5	8.4
Noack evaporation loss, % weight	ASTM D 5800	8.9	10
Sulfated ash, %	ASTM D 874	1.0	0.9
Density at 15 °C, kg/m ³	ASTM D 4052	838	845

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Speed Master SAE 0W-20 SN C5

Premium synthetic engine oil for gasoline and diesel engines of US- and European-made motorcars

Devon Speed Master SAE 0W-20 SN C5 is a Mid SAPS synthetic engine oil utilizing polyalphaolefins and esters. The oil is designed for modern gasoline and diesel engines with turbochargers and catalytic exhaust systems. It is compliant with stringent requirements of major global automakers, and international specifications.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

API SN • ACEA C5 • Porsche C20 • BMW LL-17 FE+ • MB 229.71 • Ford WSS-M2C 948-B • VW 508 00/509 00
Jaguar/ Land Rover STJLR.03.5004 • Volvo VCC RBS0-2AE

BENEFITS:

PAOs + ESTERS	Fuel efficiency and seamless engine operation	Maximum wear protection of engine oil drag assemblies	Easy startup and protection of engines during operation in winter	High performance of engines in all operating modes including urban, highway and heavy-duty ones
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ADVANTAGES:

- Polyalphaolefins and esters extend the useful life of the oil
- Compatibility with modern emission mitigation systems
- High oxidation stability throughout the oil drain interval
- Wide range of applications, and easy engine startup at low temperatures
- Purity control as well as protection of pistons and turbochargers against high-temperature deposits (fouling and glazing)
- Corrosion and wear protection of crankshaft bearing seats
- Excellent dispersion properties minimize low-temperature deposits
- Improved shearing stability, and strong oil film

APPLICATION:

- Gasoline and diesel engines of modern motorcars with or without turbochargers, and equipped with three-way catalyst (TWC) systems and diesel particulate filters (DPFs)
- Designed for use in engines where C5 level oil should be used as recommended by automakers

TYPICAL PROPERTIES

Name	Test method	0W-20
Viscosity index	ASTM D 2270	183
Kinematic viscosity, mm ² /sec at 100 °C at 40 °C	ASTM D 445	9.2 46.8
Flash point, COC, °C	ASTM D 92	224
Pour point, °C	ASTM D 97	-54
Total Base Number, mg KOH/g	ASTM D 2896	8.7
Noack evaporation loss, % weight	ASTM D 5800	8.2
Sulfated ash, %	ASTM D 874	0.78
Density at 15 °C, kg/m ³	ASTM D 4052	841

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Speed Master SAE 5W-30 C3

Premium synthetic engine oil for high-powered turbocharged gasoline and diesel engines of Europeanmade motorcars

Devon Speed Master SAE 5W-30 C3 is an advanced synthetic (polyalphaolefin and ester based) engine oil utilizing imported thickeners, special additive packages and the Mid SAPS technology, and designed for use in modern gasoline and diesel engines. The oil is compliant with stringent emission mitigation requirements of automakers, and ensures excellent performance.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

ACEA C3 • VW 504 00/507 00 • Fiat 9.55535-S3/S1 • MB 229.51/229.52 • GM Dexos 2 • BMW LL-04 • Porsche C30

BENEFITS:

PAOs + ESTERS	Easy startup and protection of engines during operation in winter	Maximum wear protection of engine oil drag assemblies	High performance of engines in all operating modes including urban, highway and heavyduty ones	Extended service lives of diesel particulate filters and catalyst converters
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ADVANTAGES:

- Polyalphaolefins and esters extend the useful life of the oil
- Compatibility with modern emission mitigation systems
- High oxidation stability throughout the oil drain interval
- Wide range of applications, and easy engine startup at low temperatures
- Purity control as well as protection of pistons and turbochargers against high-temperature deposits (fouling and glazing)
- Corrosion and wear protection of crankshaft bearing seats
- Excellent dispersion properties minimize low-temperature deposits
- Improved shearing stability, and strong oil film

APPLICATION:

- Gasoline and diesel engines of modern motorcars with or without turbochargers, and equipped with three-way catalyst (TWC) systems and diesel particulate filters (DPFs)
- Designed for use in engines where C3 level oil should be used as recommended by automakers

TYPICAL PROPERTIES

Name	Test method	5W-30
Viscosity index	ASTM D 2270	173
Kinematic viscosity, mm ² /sec at 100 °C	ASTM D 445	11.8
at 40 °C		67.3
Flash point, COC, °C	ASTM D 92	230
Pour point, °C	ASTM D 97	-46
Total Base Number, mg KOH/g	ASTM D 2896	8.5
Noack evaporation loss, % weight	ASTM D 5800	7.0
Sulfated ash, %	ASTM D 874	0.8
Density at 15 °C, kg/m ³	ASTM D 4052	854

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Speed Master SAE 0W-30 C2/C3

Synthetic engine oil for gasoline and diesel engines of passenger vehicles

Devon Speed Master SAE 0W-30 C2/C3 is a synthetic Low SAPS engine oil for high-performance gasoline and diesel engines of passenger motorcars including turbocharged and three-way catalyst ones. The oil utilizes group IV and V synthetic oils (polyalphaolefins and esters). It is compliant with stringent environmental safety requirements.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

ACEA C2/C3 • BMW Longlife-12 FE • Jaguar/Land Rover STJLR.03.5007 • Fiat 9.55535 -DS1/-GS1 • Ford WSS-M2C 950-A

BENEFITS:

PAOs + ESTERS	Easy startup and protection of engines during operation in winter	Maximum wear protection of engine oil drag assemblies	High performance of engines in all operating modes including urban, highway and heavyduty ones	Extended service lives of diesel particulate filters and catalyst converters
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ADVANTAGES:

- Polyalphaolefins and esters extend the useful life of the oil
- Compatibility with modern emission mitigation systems
- High oxidation stability throughout the oil drain interval
- Wide range of applications, and easy engine startup at low temperatures
- Purity control as well as protection of pistons and turbochargers against high-temperature deposits (fouling and glazing)
- Corrosion and wear protection of crankshaft bearing seats
- Excellent dispersion properties minimize low-temperature deposits
- Improved shearing stability, and strong oil film

APPLICATION:

- High-power gasoline and diesel engines of modern motorcars with or without turbochargers, and equipped with three-way catalyst (TWC) systems and diesel particulate filters (DPFs)
- Designed for use in engines where C2/C3 level oil should be used as recommended by automakers

TYPICAL PROPERTIES

Name	Test method	0W-30
Viscosity index	ASTM D 2270	180
Kinematic viscosity, mm ² /sec at 100 °C	ASTM D 445	11.4
at 40 °C		52.1
Flash point, COC, °C	ASTM D 92	225
Pour point, °C	ASTM D 97	-54
Total Base Number, mg KOH/g	ASTM D 2896	8.3
Noack evaporation loss, % weight	ASTM D 5800	7.0
Sulfated ash, %	ASTM D 874	0.72
Density at 15 °C, kg/m ³	ASTM D 4052	842

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Speed Master SAE 0W-30 A5/B5

Multigrade synthetic motor oil for use in modern high-power turbocharged gasoline and diesel engines of passenger and light cargo motorcars

Devon Speed Master SAE 0W-30 A5/B5 is a low-viscosity synthetic engine oil utilizing degradation-resistant thickeners, and specialpurpose additive packages extending oil drain intervals. The oil is manufactured from high-quality components including polyalphaolefins and esters. It is compliant with stringent requirements of industrial specifications.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

ACEA A5/B5 • Ford WSS-M2C 913-D (+A/B/C) • Jaguar/Land Rover STJLR.03.5003 • Volvo VCC 95200377 • BMW Longlife-01 FE
Fiat 9.55535-G1 • Renault RN0700

BENEFITS:

PAOs + ESTERS	Easy startup and protection of engines during operation in winter	Maximum wear protection of engine oil drag assemblies	High performance of engines in all operating modes including urban, highway and heavy-duty ones
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ADVANTAGES:

- Polyalphaolefins and esters extend the useful life of the oil
- Extended oil change interval up to 15 thousand kilometers
- Improved fuel efficiency
- Excellent thermal oxidation stability
- Protection of pistons and turbochargers against high-temperature deposits
- Reduced low-temperature deposits
- High shear resistance, and rapid heat dissipation
- Good lubricating properties for cold startups, and at high operating temperatures
- Wear, friction and corrosion protection
- Superior low-temperature properties

APPLICATION:

- Modern high-performance gasoline and diesel engines (with or without turbochargers) of passenger motorcars and light business machinery working under any operating conditions
- Designed for use in motorcars during both the warranty and post-warranty operation periods

TYPICAL PROPERTIES

Name	Test method	0W-30
Viscosity index	ASTM D 2270	173
Kinematic viscosity, mm ² /sec at 100 °C	ASTM D 445	10.8
at 40 °C		60.8
Flash point, COC, °C	ASTM D 92	225
Pour point, °C	ASTM D 97	-54
Total Base Number, mg KOH/g	ASTM D 2896	10.5
Noack evaporation loss, % weight	ASTM D 5800	8.1
Sulfated ash, %	ASTM D 874	1.1
Density at 15 °C, kg/m ³	ASTM D 4052	842

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Speed Master SN A3/B4

A line of premium synthetic energy-efficient engine oils for modern gasoline and diesel engines of major global automakers

Devon Speed Master SN A3/B4 oils are synthetic low-viscosity engine oils utilizing group IV and V oils (polyalphaolefins and esters) and high-performance additive packages. They provide maximum engine protection under various operating conditions during long and short drives. The oils are compliant with Euro-4 emission standards.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

API SN • ACEA A3/B4 • BMW LL 01 • Porsche A40 • MB 229.5 • VW 502 00/505 00 • Renault 0700/0710

BENEFITS:

PAOs + ESTERS	Easy startup and protection of engines during operation in winter	Maximum wear protection of engine oil drag assemblies	High performance of engines in all operating modes including urban, highway and heavy-duty ones
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ADVANTAGES:

- Polyalphaolefins and esters extend the useful life of the oil
- Improved oxidation stability
- Engine protection against high- and low-temperature deposits
- Good lubricating properties for cold startups, and at high operating temperatures
- Improved engine protection against wear and corrosion
- Superior low-temperature properties
- Improved flushing and dispersion properties

APPLICATION:

- Modern high-performance gasoline and diesel engines (with or without turbochargers) of passenger motorcars and light business machinery working under any operating conditions
- Designed for use in motorcars during both the warranty and postwarranty operation periods

TYPICAL PROPERTIES

Name	Test method	0W-30	0W-40
Viscosity index	ASTM D 2270	176	177
Kinematic viscosity, mm ² /sec at 100 °C	ASTM D 445	11.2	14.5
at 40 °C		62	85.6
Flash point, COC, °C	ASTM D 92	226	228
Pour point, °C	ASTM D 97	-55	-54
Total Base Number, mg KOH/g	ASTM D 2896	10	10
Noack evaporation loss, % weight	ASTM D 5800	7	7.2
Sulfated ash, %	ASTM D 874	1.0	1.0
Density at 15 °C, kg/m ³	ASTM D 4052	839	856

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Favorite SAE 5W-30 SP GF-6

Premium synthetic class ILSAC GF-6A engine oil for gasoline engines of US-, Korean- and Japanesemade motorcars

Devon Favorite SAE 5W-30 SP GF-6 is a synthetic oil utilizing advanced additive packages and frictional modifiers for turbocharged gasoline engines. It boasts improved wear-resistance properties, and improves safety and service lives of all emission mitigation systems.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

API SP • ILSAC GF-6 • Kia • GM Dexos1 Gen 2 • Mazda • Chrysler MS-6395 • Honda • Mitsubishi • Hyundai • Nissan • Isuzu • Subaru • Toyota

BENEFITS:

Fuel efficiency in accordance with ILSAC GF-6 requirements	Easy startup and protection of engines during operation in winter	Maximum wear protection of engine oil drag assemblies	High performance of engines in all operating modes including urban, highway and heavy-duty ones
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ADVANTAGES:

- LSPI (Low Speed Pre Ignition) protection
- Wear protection for cam chains (CCs)
- Compatibility with modern emission mitigation systems
- Stable viscosity properties throughout the service life
- Engine protection against high- and low-temperature deposits
- Improved shearing stability, and strong oil film
- Oxidation and thermal degradation resistance

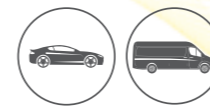
APPLICATION:

- Multigrade oil for modern ultra high-power gasoline engines including turbocharged, direct fuel injection, and three-way catalyst (TWC) ones

TYPICAL PROPERTIES

Name	Test method	5W-30
Viscosity index	ASTM D 2270	170
Kinematic viscosity, mm ² /sec at 100 °C	ASTM D 445	11.2
at 40 °C		63.9
Flash point, COC, °C	ASTM D 92	220
Pour point, °C	ASTM D 97	-45
Total Base Number, mg KOH/g	ASTM D 2896	10.5
Noack evaporation loss, % weight	ASTM D 5800	10
Sulfated ash, %	ASTM D 874	0.7
Density at 20 °C, kg/m ³	ASTM D 4052	860

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Favorite SAE 5W-30 A5/B5

Synthetic engine oil for gasoline and diesel engines of European-made passenger motorcars

Devon Favorite SAE 5W-30 A5/B5 is a premium synthetic engine oil. The oil is designed for modern gasoline and diesel engines with turbochargers and catalytic exhaust systems. It is compliant with stringent requirements of major global automakers, and international specifications.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

ACEA A5/B5 • Ford WSS-M2C 913-D (+A/B/C) • Jaguar/Land Rover STJLR.03.5003 • Volvo VCC 95200377 • Fiat 9.55535-G1

BENEFITS:

Easy startup and protection of engines during operation in winter	Maximum wear protection of engine oil drag assemblies	Protection of three-way catalyst systems	High performance of engines in all operating modes including urban, highway and heavy-duty ones
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ADVANTAGES:

- Compatibility with modern emission mitigation systems
- Stable viscosity properties throughout the service life
- Engine protection against high- and low-temperature deposits
- Improved shear stability, and strong oil film
- Oxidation and thermal degradation resistance
- Good lubricating properties for cold startups, and at high operating temperatures

APPLICATION:

- Modern high-performance gasoline and diesel engines (with or without turbochargers) of passenger motorcars and light business machinery working under any operating conditions
- Designed for use in motorcars during both the warranty and post-warranty operation periods

TYPICAL PROPERTIES

Name	Test method	5W-30
Viscosity index	ASTM D 2270	170
Kinematic viscosity, mm ² /sec at 100 °C	ASTM D 445	11.2
at 40 °C		63.9
Flash point, COC, °C	ASTM D 92	220
Pour point, °C	ASTM D 97	-46
Total Base Number, mg KOH/g	ASTM D 2896	9.1
Noack evaporation loss, % weight	ASTM D 5800	10
Sulfated ash, %	ASTM D 874	0.89
Density at 20 °C, kg/m ³	ASTM D 4052	860

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Favorite SN A3/B4

Premium multigrade synthetic engine oils protecting gasoline and diesel engines of heavy-duty light machinery

Devon Favorite SN A3/B4 universal engine oils are developed strictly in accordance with global automakers' standards, and industrial specifications to ensure efficiency and long service lives of engines. Modern lubricant production processes utilize high-quality imported components to ensure excellent competitiveness.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

API SN/CF • ACEA A3/B4-21 • VW 505 00/502 00 • MB 229.5 • RN 0700/0710 • AVTOVAZ JSC

BENEFITS:

High flushing properties of the oil	Easy startup and protection of engines during operation in winter	Maximum wear protection of engine oil drag assemblies	Protection of threeway catalyst systems	High performance of engines in all operating modes including urban, highway and heavyduty ones
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ADVANTAGES:

- Highly efficient protection against high-temperature deposits (fouling and glazing) in cylinder and piston groups
- Prevention of low-temperature deposits (sludging) in crankcases, and maintenance of engine cleanliness
- Maximum protection of engine parts and units against condensate corrosion
- Wide operating temperature range due to excellent lowtemperature properties
- Exceptional thermal and oxidation stability
- Detergent and dispersing additives keep the engine clean

APPLICATION:

- Modern high-performance gasoline and diesel engines (with or without turbochargers) of passenger motorcars and light business machinery working under any operating conditions
- Designed for use in motorcars during both the warranty and post-warranty operation periods

TYPICAL PROPERTIES

Name	Test method	5W-30	5W-40	10W-40
Viscosity index	ASTM D 2270	170	168	162
Kinematic viscosity, mm ² /sec	ASTM D 445	at 100 °C	11.2	15.2
		at 40 °C	63.9	95.6
Flash point, COC, °C	ASTM D 92	220	225	230
Pour point, °C	ASTM D 97	-45	-45	-40
Total Base Number, mg KOH/g	ASTM D 2896	10.5	10.4	10.7
Noack evaporation loss, % weight	ASTM D 5800	10	11.3	12.0
Sulfated ash, %	ASTM D 874	1.1	1.1	1.1
Density at 20 °C, kg/m ³	ASTM D 4052	860	862	875

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Extensive LA

A product line of fully synthetic SHPD (Super High Performance Diesel) engine oils for Euro 6, Euro 5 and lower class diesel engines of heavy-duty machinery

The product line of multigrade low-ash Devon Extensive LA engine oils exceeds the requirements of ACEA E8 and E7 specifications as well as API CK-4, CJ-4 and previous versions. It utilizes polyalphaolefins and group III synthetic oils as well as additive packages, and exceeds stringent requirements of major global automakers. Devon Extensive LA improves wear protection, efficiency and performance of the machinery, and therefore engine service lives.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

API CK-4 • ACEA E8/E11 • JASO DH-2 • CAT ECF-3 • CUMMINS CES 20081 • DAF PX EURO VI REQUIREMENTS • DEUTZ DQC IV-10LA IVECO TRUCKS REQUIRING ACEA E6, E7, E8, E9, E11 • MAN M 3271-1 • MAN M 3477 • MAN M 3677 • MB 228.31 MB 228.51 • MTU OIL CATEGORY 3.1 • MACK EO-M PLUS, MACK EO-N PREMIUM PLUS • MACK EO-O PREMIUM PLUS • RVI RLD-3 SCANIA LDF-4 • VOLVO CNG • VOLVO VDS-4 • FORD • WSS-M2C213-A1

BENEFITS:

Improved economic efficiency of European-made vehicle fleet maintenance.	Extended service intervals reduce vehicle fleet costs associated with machinery downtimes and maintenance.	Superior thermal oxidation stability protects oil properties and extends service intervals in any case	Low ash improves performance of catalytic emission mitigation systems and service lives of diesel particulate filters	Improved fuel efficiency under various operating conditions reduces fuel costs
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ADVANTAGES:

- Maximum wear protection of bearing units and cylinders
- Maximum oil drain intervals
- Improved oxidation and thermal degradation resistance
- Wide range of applications, and easy engine startup at low temperatures
- Efficient piston cleanliness control, and minimized cylinder passage polishing
- Corrosion and wear protection of crankshaft bearing seats
- Protection of pistons and turbochargers against high-temperature deposits (fouling and glazing)
- Prevention of crankcase low-temperature deposits (sludging)
- Improved shearing stability, and strong oil film
- Improved soot formation control
- Full compatibility with three-way catalyst systems

APPLICATION:

- Recommended for Euro 6 and Euro 5 high-power turbocharged heavy-duty diesel engines with extended oil drain intervals in accordance with API CK-4, CJ-4 and lower tolerances
- Engines with or without diesel particulate filters (DPFs), with exhaust gas recirculation (EGR) systems, selective catalyst reduction (SCR) systems, and continuously regenerating traps (diesel oxidation catalysts (DOCs))
- We recommend using the oil in combination with low-sulfur (max. 15 ppm) diesel fuel to maximize the oil drain interval. Usage in combination with high sulfur (max. 500 ppm) diesel fuels is permissible with shorter service intervals
- We recommend using it in compressed natural gas (CNG, methane) engines

TYPICAL PROPERTIES

Name	Test method	0W-40	5W-30	5W-40	10W-30	10W-40	15W-40
Viscosity index	ASTM D 2270	175	160	160	155	154	152
Kinematic viscosity, mm ² /sec	ASTM D 445	at 100 °C	13.5	12.1	14.2	12.1	15.2
		at 40 °C	79	72.2	92.3	81.1	109.8
Flash point, COC, °C	ASTM D 92	228	228	225	230	230	235
Pour point, °C	ASTM D 97	-50	-45	-44	-45	-40	-38
Total Base Number, mg KOH/g	ASTM D 2896	10.1	10.1	10.5	10.5	10.4	10.0
Noack evaporation loss, % weight	ASTM D 5800	13	13	12	11	10	10
Sulfated ash, %	ASTM D 874	0.9	0.88	0.88	0.9	0.9	0.9
Density at 15 °C, kg/m ³	ASTM D 4052	847	855	857	860	863	865

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Extensive LD

A line of premium synthetic engine oils for modern diesel engines developed in accordance with Euro 5 and lower standards

Devon Extensive LD oils are high-quality multigrade oils for heavy-load engines of European-made Euro 5 machinery. They utilize synthetic oils and multi-purpose additive packages in accordance with requirements to oils for diesel engines with recirculation and emission mitigation systems. They ensure improved performance, extended oil drain intervals, efficient operation and reliability of engines.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

API CI - 4 • ACEA E4/E7 • DAF REQUIREMENTS, DEUTZ DQC III-10 • MAN M 3277 • MB-228.5 • MTU OIL CATEGORY 3 • MACK EO-N RVI RLD-2 • SCANIA LDF-3 • VOLVO VDS-3

BENEFITS:

Improved economic efficiency of European-made vehicle fleet maintenance.	Extended service intervals reduce vehicle fleet costs associated with machinery downtimes and maintenance	Superior thermal oxidation stability protects oil properties and extends service intervals in any case	Improved fuel efficiency under various operating conditions reduces fuel costs
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ADVANTAGES:

- Extended oil drain intervals up to 90,000 kilometers
- Superior oxidation and thermal degradation resistance
- Improved soot dispersion, and viscosity change resistance
- High piston cleanliness levels
- Protection of pistons and turbochargers against high-temperature deposits (fouling and glazing)
- Prevention of crankcase low-temperature deposits
- Stable lubricating properties providing friction and wear protection
- Reliable corrosion protection of engine parts and assemblies
- Wide operating temperature range, and easy startup at sub-zero temperatures

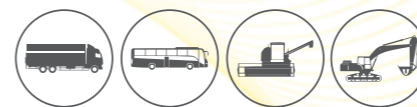
APPLICATION:

- The oils are designed for use in heavy-load diesel engines of heavy-duty business vehicles with exhaust gas recirculation (EGR) and/or selective catalytic reduction (SCR) systems
- They are recommended for high-power turbocharged diesel engines compliant with Euro 5 and lower requirements
- Engines of various designs without diesel particulate filters (DPFs)

TYPICAL PROPERTIES

Name	Test method	0W-40	5W-30	5W-40	10W-30	10W-40	15W-40
Viscosity index	ASTM D 2270	170	160	160	150	152	150
Kinematic viscosity, mm ² /sec at 100 °C	ASTM D 445	13.7	11.3	14.6	12.1	15.2	15.3
at 40 °C		82.5	72.2	95.1	81.1	109.8	117
Flash point, COC, °C	ASTM D 92	225	225	225	230	230	237
Pour point, °C	ASTM D 97	-50	-45	-45	-45	-45	-40
Total Base Number, mg KOH/g	ASTM D 2896	16	16	16	16	16	16
Noack evaporation loss, % weight	ASTM D 5800	13	12	12	11	10	9
Sulfated ash, %	ASTM D 874	1.6	1.7	1.7	1.8	1.8	1.8
Density at 15 °C, kg/m ³	ASTM D 4052	845	858	860	860	880	870

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Extensive HC

A product line of UHPD (Ultra High Performance Diesel) synthetic engine oils for heavy-load diesel motorcars with or without turbochargers and compliant with Euro 5 and lower requirements

Devon Extensive HC oils are modern synthetic engine oils compliant with ACEA E4/E7 and API CI-4 specification requirements, and environmental standards up to Euro 5. They are designed specifically to satisfy the highest performance standards. Enhanced detergent properties neutralize harmful effects of acids generated during combustion of fuels with sulfur content over 500 ppm. Advanced additive packages ensure unsurpassed wear protection, and maximize oil drain intervals

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

API CI - 4 • ACEA E4/E7 • DAF REQUIREMENTS • DEUTZ DQC III-10 • MAN M 3277 • MB 228.5 • MTU OIL CATEGORY 3 • MACK EO-N RVI RLD-2

BENEFITS:

Great detergent properties keep engines clean throughout oil drain intervals	Long service lives reduce service and lubricant costs	Protection. Failsafe engine operation even with high sulfur fuels	Excellent viscosity and temperature properties simplify machinery operation in winter
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ADVANTAGES:

- High detergent properties keep pistons and piston rings clean
- Oxidation and thermal degradation resistance extends oil drain intervals
- Possibility of running on high sulfur fuels
- Corrosion and wear protection of crankshaft bearing seats
- Protection of pistons and turbochargers against high-temperature deposits (fouling and glazing)
- Prevention of crankcase low-temperature deposits (sludging)
- Coking protection of piston rings, and minimized cylinder face polishing
- Improved shear resistance at increased pressure
- Streamlined oil film thickness ensures reliable lubrication of engine internals preventing friction and wear
- Wide range of operating temperatures, and easy engine startup at low temperatures

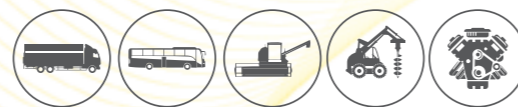
APPLICATION:

- High-power heavy-load diesel engines (with or without turbochargers) of business, special-purpose and off-terrain heavy duty machinery with extended oil drain intervals
- Engines without diesel particulate filters (DPFs), with exhaust gas recirculation (EGR) systems, and some engines with selective NOx catalytic reduction (SCR) systems as recommended by automakers

TYPICAL PROPERTIES

Name	Test method	5W-30	10W-40	15W-40
Viscosity index	ASTM D 2270	165	150	150
Kinematic viscosity, mm ² /sec at 100 °C	ASTM D 445	12.1	15.2	15.5
at 40 °C		72.2	110.2	118
Flash point, COC, °C	ASTM D 92	225	225	230
Pour point, °C	ASTM D 97	-42	-38	-36
Total Base Number, mg KOH/g	ASTM D 2896	14.4	14.5	14.8
Noack evaporation loss, % weight	ASTM D 5800	11	12	9
Sulfated ash, %	ASTM D 874	1.6	1.7	1.8
Density at 15 °C, kg/m ³	ASTM D 4052	852	855	860

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Gas CNG LA

Multigrade low-ash engine oils for modern business machinery running on compressed natural gas (CNG) (methane)

The Low SAPS (reduced ash, phosphorous and sulfur content) technology ensures reliable ash deposit protection of machinery. Properties of Devon CNG LA oils give them strong competitive edge versus their imported peers.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

API CF • Cummins 20074 • Detroit Diesel DDC 93K216 • KAMAZ PJSC • Avtodizel PJSC

BENEFITS:

Improved service efficiency. Low-ash oil reduces the amount of deposits, which eliminates the need for additional equipment maintenance	Extended machinery service life due to excellent wear protection oil properties	Valve burnout protection. The Low SAPS technology minimizes carbon deposits in pistons, valves, and engine combustion chambers while minimizing abrasion wear at the same time	Reliable engine startup at low temperatures. Improved low-temperature oil properties reduce startup wear
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ADVANTAGES:

- Streamlined balance of detergent and dispersion properties ensures cleanliness of engine pistons and internals
- High resistance to water vapors generated during fuel combustion
- Exceptional high-temperature oxidation and evaporation resistance minimizes high-temperature deposits
- Preservation of stable properties despite exposure to nitrogen oxide generated during fuel combustion
- Improved lubricating properties protect all engine assemblies against wear
- Excellent viscosity and temperature properties ensure easy engine startup at low temperatures
- Special additives allow engines to run on sulfurous gas fuel without any machinery damages

APPLICATION:

- Engines running on liquefied petroleum gas (LPG)
- Buses, trucks and other business and special-purpose machinery running on compressed natural gas (CNG) (methane) fuel

TYPICAL PROPERTIES

Name	Test method	10W-30	10W-40	15W-40
Viscosity index	ASTM D 2270	173	165	151
Kinematic viscosity, mm ² /sec	ASTM D 445	at 100 °C	12.1	14.9
		at 40 °C	69.6	96.6
Kinematic viscosity (CCS), mPas	ASTM D 5293	at -25 °C	4820	5960
		at -20 °C	-	-
Flash point, COC, °C	ASTM D 92	230	238	241
Pour point, °C	ASTM D 97	-39	-41	-41
Total Base Number, mg KOH/g	GOST 30050/ASTM D 2896	5.3	5.8	6.0
Sulfated ash, %	ASTM D 874	0.5	0.59	0.6
Density at 15 °C, kg/m ³	ASTM D 4052	850	857	866

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon GPE LA 40

Low-ash engine oil for modern fixed gas reciprocating engines

Devon GPE LA 40 is a high-quality low-ash oil designed specifically for operation in modern domestic- and foreign-made fixed gas reciprocating engines. The Low SAPS technology ensures reliable equipment protection against ash and varnish deposits. Properties of the Devon LA 40 oil give it a strong competitive edge versus its imported peers.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

API CF • Jenbacher 1000-1109 Type 2, 3, 4, и 6 • DEUTZ 0199-99-2105/7 • Caterpillar Series 3300, 3400, 3500, 3600 MTU MLT Energy Series 400 и 4000 • Cummins QSV 81G, QSK, 60G • MWM TR 0199-99-2105 • Perkins Engine Series 4000 • Waukesha MAN M 3271-2 Wärtsilä • Guascor FGLD, SFGLD

BENEFITS:

Improved service efficiency. Low-ash oil reduces the amount of deposits, which eliminates the need for additional equipment maintenance	Extended machinery service life due to excellent wear protection oil properties	Glow ignition protection. The Low SAPS technology minimizes carbon deposits in engine pistons, valves and combustion chambers	Reduced repair costs. Excellent corrosion protection against sulfurous oil components assist in protecting engine parts
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ADVANTAGES:

- Large stock of detergent and dispersion additives contributes to keeping engines clean and extending oil service lives
- Excellent oxidation stability ensures great high-temperature deposit resistance
- Lubricating properties of the oil minimize the possible wear of engine working surfaces
- Special additives allow engines to run on sulfurous gas fuel without any machinery damages

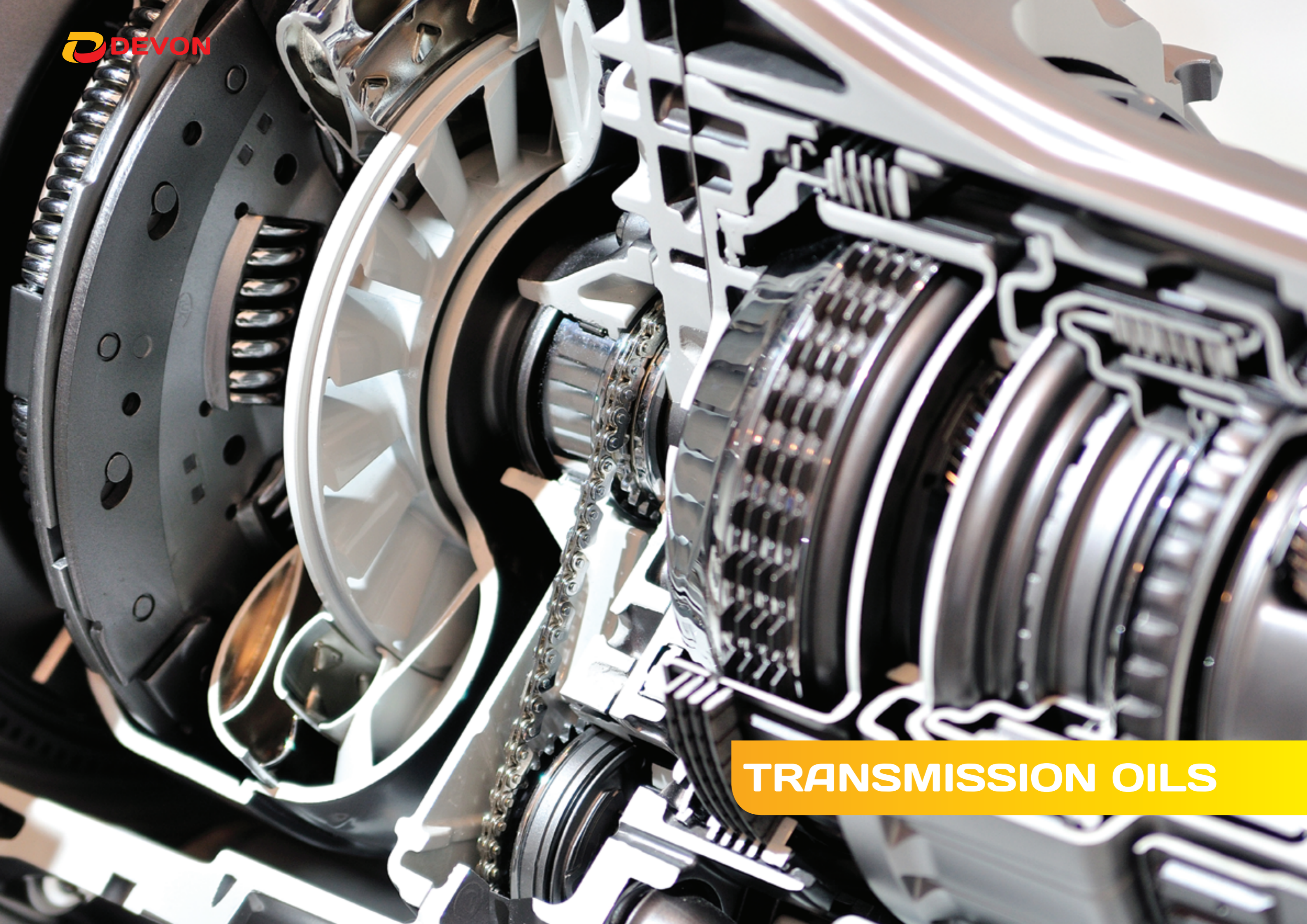
APPLICATION:

- Domestic- and foreign-made fixed gas reciprocating engines
- Engines running on diluted mixtures including cogeneration plants with or without turbochargers
- Engines running on natural gas fuels Technical advice is required to clarify specific features of using the product in engines running on specific gas types (LandFill Gas, biogas, etc.)

TYPICAL PROPERTIES

Name	Test method	Devon GPE LA 40	
Viscosity index	ASTM D 2270	108	
Kinematic viscosity, mm ² /sec	ASTM D 445	at 100 °C	14.1
		at 40 °C	127.9
Flash point, COC, °C	ASTM D 92	279	
Pour point, °C	ASTM D 97	-25	
Total Base Number, mg KOH/g	ASTM D 2896	6.2	
Sulfated ash, %	ASTM D 874	0.5	

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



TRANSMISSION OILS



Devon Super Transmission ATF Dexron VI

Automatic gearbox transmission oil

Devon Super Transmission ATF Dexron VI is a universal multigrade synthetic transmission oil for automatic gearboxes and steering mechanisms of passenger motorcars, vans and light trucks that require Dexron VI, Dexron III or Dexron II oils.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

Ford MERCON® LV • GM DEXRON®-VI

BENEFITS:

Stable synthetic base **extends service lives and intervals**

Extended gearbox service lives and fuel efficiency due to improved wear protection and frictional properties

Seamless shifting under rough driving conditions throughout service intervals extends service lives of automatic gearboxes and transmission elements

ADVANTAGES:

- Synthetic base oil ensures good lubricating properties at low temperatures in winter and stable oil film under extreme loads and at high operating temperatures
- Efficient friction and wear protection
- Compatibility with sealing materials, and maintenance of their elasticity
- Corrosion protection of non-ferrous and ferrous metal automatic gearbox parts
- Thermal oxidation and chemical stability throughout the service life
- Overheating protection of gearboxes due to low foaming tendency

APPLICATION:

- For automatic gearboxes that require JASO 1A (03) and JASO 1A LV(13) including: Toyota T III, T IV, WS; Mitsubishi SP II, IIM, III, IV, PA, J3; Mazda ATF M-III, M-V, FZ; Honda/Acura DW 1/Z 1; Nissan Matic D, J, S; JWS 3314/3317/ 3309; Suzuki AT Oil 5D06, 2384K; Isuzu; Subaru F6; Red 1; Hyundai/Kia SP III, SP IV
- Also compatible with 6-, 8- and 9-stage automatic gearboxes by Audi, BMW, Mini-Cooper, Jaguar, Peugeot/Citroen, Saab, Volvo, VW, and Porsche as well as with 7- and 9-stage automatic gearboxes by Mercedes Benz and for all motorcars that require Dexron III or Mercon SP.

TYPICAL PROPERTIES

Name	Test method	Devon Super Transmission ATF Dexron VI
Brookfield dynamic viscosity at minus 40 °C, mPas-sec	ASTM D 2983	9 600
Viscosity index	ASTM D 2270	179
Kinematic viscosity, mm ² /sec		
at 100 °C	ASTM D 445	6.1
at 40 °C		27.6
Flash point, COC, °C	ASTM D 92	218
Pour point, °C	ASTM D 97	-50
Foaming tendency/foam stability, cm ³		
at 24 °C		10/0
at 94 °C	ASTM D 892	20/0
at 24 °C (after testing at 94 °C)		10/0
Density at 20 °C, kg/m ³	ASTM D 4052	848

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon CVT

Transmission oil for automatic chain and belt variable-speed gearboxes

Devon CVT is a multigrade transmission oil for automatic stepless variable-speed transmissions utilizing highly stable synthetic oils and advance additive packages with friction improvers.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

Toyota CVT Fluid TC • Toyota CVT Fluid FE • Nissan CVT Fluid NS-1 • Nissan CVT Fluid NS-2 • Nissan CVT Fluid NS-3 • MMC DIAQUEEN ATF SP-III • MMC DIAQUEEN CVT Fluid J1 • MMC DIAQUEEN CVT Fluid J4 • MMC DIAQUEEN CVT Fluid J4+ • Mazda CVTF 3320 • Subaru i-CVT Fluid • Subaru i-CVT FG • Subaru Lineartronic High Torque Chain CVTF • Daihatsu AMMIX CVT Fluid DC • Daihatsu AMMIX CVT Fluid DFE • Suzuki CVT Fluid 3320 • Suzuki CVT Fluid Green 1 • Suzuki CVT Fluid Green 2 • Suzuki CVTF TC • Suzuki NS-2 • Honda HCF-2* • Chrysler NS-2 • Chrysler CVTF+4 • Mini Cooper EZL799 • Ford CVT23; MB 236.20

BENEFITS:

Guaranteed reduced fuel consumption due to improved frictional factors

Improved early wear and corrosion protection of gearbox components **extends assembly service lives**

Superior oxidation resistance and high oil film bearing capacity **extend oil service lives**

ADVANTAGES:

- Advanced additive packages reduce wear and vibration to ensure seamless variator operation
- Efficient transmission operation under heavy loads and at high operating temperatures, and precise torque transfer
- High oxidation resistance reduces deposit formation materially
- Wear and tear protection of belts (chains) and pulleys, and reduced belt slipping risk probability
- Stable effective operating temperatures, and reduced vibration levels
- Neutrality to non-ferrous metal parts, and sealing materials

APPLICATION:

- Recommended for infinitely variable transmissions where manufacturers recommend using low-viscosity energy-efficient CVT type fluids
- Compliance with operating fluid requirements of major OEM transmission manufacturers

TYPICAL PROPERTIES

Name	Test method	Devon CVT
Brookfield dynamic viscosity at minus 40 °C, mPas-sec	ASTM D 2983	9 520
Viscosity index	ASTM D 2270	189
Kinematic viscosity, mm ² /sec		
at 100 °C	ASTM D 445	7.1
at 40 °C		32.6
Flash point, COC, °C	ASTM D 92	215
Pour point, °C	ASTM D 97	-52
Foaming tendency/foam stability, cm ³		
at 24 °C		10/0
at 94 °C	ASTM D 892	20/0
at 24 °C (after testing at 94 °C)		10/0
Density at 20 °C, kg/m ³	ASTM D 4052	850

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Long Life Transmission SAE 75W-90 GL-4/GL-5/MT-1

Synthetic transmission oil for mechanical gearboxes and axles

Devon Long Life Transmission SAE 75W-90 GL-4/GL-5/MT-1 is a universal synthetic transmission oil with extended oil drain intervals. The oil utilizes polyalphaolefins (PAOs) and is designed for use in synchromesh gearboxes, compensating gears and rear-axle drives of various business machinery types where API GL-4, API GL-5 or MT-1 oils are recommended.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

API GL-4, GL-5, MT-1 • SAE J2360 • MAN 341 Type Z2 • MAN 342 Type S1 • MB-Approval 235.8 • SCANIA STO 1:0 • Volvo 97312
ZF TE-ML 02B, 05A, 12L, 12N, 16F, 17B, 19C, 21A

BENEFITS:

Reduced maintenance costs due to extended oil drain intervals	Protection of transmission components against wear and other damages extends service lives and maximizes service intervals	Excellent thermal oxidation stability prevents deposit formation	Exceptional viscosity and temperature properties simplify cold startups and seamless gear shifting	This versatile oil reduces lubricant costs and harmonizes warehousing
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ADVANTAGES:

- Improved protection of rear-axle drives against wear, tear and micro pitting at high operating temperatures, and under contact loads
- Improved pumping quality at low temperatures, and reduced torque losses
- High thermal oxidation stability and oil ageing resistance
- Non-ferrous metal neutrality, and corrosion resistance
- Compatibility with synchro meshes and seal materials
- Stable viscosity properties and strong oil film under heavy operating conditions, and high shear resistance

APPLICATION:

- Synchromesh and non-synchromesh gearboxes, compensating gears, and rear axle drives of trucks, construction machinery, and passenger motorcars
- Transmission by ZF, Eaton, MB, and ArvinMeritor
- Drive axles and wheel-hub drives of passenger, cargo and offterrain vehicles

TYPICAL PROPERTIES

Name	Test method	Devon Long Life Transmission SAE 75W-90 GL-4/GL-5/MT-1
Brookfield dynamic viscosity at minus 40 °C, mPas-sec	ASTM D 2983	70 200
Viscosity index	ASTM D 2270	153
Kinematic viscosity, mm ² /sec at 100 °C	ASTM D 445	15.0
at 40 °C		102.5
Flash point, COC, °C	ASTM D 92	205
Pour point, °C	ASTM D 97	-50
Density at 15 °C, kg/m ³	ASTM D 4052	868

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Long Life Transmission SAE 75W-140 GL-5

Synthetic transmission oil for compensating gears, and rear-axle drives

Devon Long Life Transmission SAE 75W-140 GL-5 is a versatile synthetic transmission oil utilizing polyalphaolefins (PAOs) with improved sliding properties, and increased drain intervals. It is designed for use in compensating gears and rear-axle drives of passenger motorcars and business machinery where API GL-5 is required.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

API GL-5 • SCANIA STO 1:0 • SCANIA STO 2:0A

BENEFITS:

Reduced maintenance costs due to extended oil drain intervals	Protection of transmission components against wear and other damages extends service lives and maximizes service intervals	Excellent thermal oxidation stability prevents deposit formation	Exceptional viscosity and temperature properties simplify cold startups and seamless gear shifting
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ADVANTAGES:

- Improved protection of rear-axle drives against wear, tear and micro pitting at high operating temperatures, and under contact loads
- Improved pumping quality at low temperatures, and reduced torque losses
- High thermal oxidation stability and oil ageing resistance
- Non-ferrous metal neutrality, and corrosion resistance
- Compatibility with sealing materials
- Stable viscosity properties and strong oil film under heavy operating conditions
- High shear resistance

APPLICATION:

- Drive axles of buses, freight trucks, agricultural, mining and other highway and off-terrain machinery
- It is compatible with final reduction gears, transfer cases, and power takeoff devices

TYPICAL PROPERTIES

Name	Test method	Devon Long Life Transmission SAE 75W-140 GL-5
Brookfield dynamic viscosity at minus 40 °C, mPas-sec	ASTM D 2983	130 000
Viscosity index	ASTM D 2270	183
Kinematic viscosity, mm ² /sec at 100 °C	ASTM D 445	26.0
at 40 °C		176.2
Flash point, COC, °C	ASTM D 92	220
Pour point, °C	ASTM D 97	-52
Density at 15 °C, kg/m ³	ASTM D 4052	870

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon UTTO Synth

Synthetic universal tractor transmission oils (UTTOs).

Devon UTTO Synth oils are multigrade tractor transmission oils utilizing synthetic base oils and high-performance additive packages to exceed requirements to fluids in use in transmissions of heavy-duty agricultural and off-terrain machinery.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

API GL-4 • John Deere J20A, J20B, J20C, J20D • Allison C4 • New Holland CNH MAT 3525 • Caterpillar TO-2 • FORD M2C-134D, M2C-86B,C Volvo 97303 (WB 101) • Massey Ferguson CMS M1143, M1135

BENEFITS:

The wide range of uses reduces the quantity of lubricants in use and costs materially	Streamlined combination of excellent base oil properties with carefully selected additives ensures long-term and failsafe machinery operation	Exceptionally high quality throughout oil drain intervals
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ADVANTAGES:

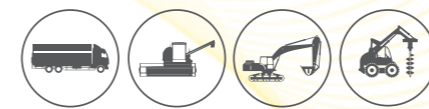
- Seamless operation of wet disc brakes due to frictional additives
- Good wear, tear and corrosion resistance properties protect machinery against damage and wear
- Stable operating parameters under extra-heavy loads, and within wide temperature ranges
- Excellent foaming resistance and machinery overheating protection
- Compatibility with seals and non-ferrous metals of gearboxes
- High thermal oxidation stability due to high quality substrates
- Low-temperature fluidity ensure rapid oil circulation during cold startups

APPLICATION:

- Modern agricultural machinery, and auxiliary equipment
- Road construction and off-terrain machinery requiring UTTO oils
- Recommended for lubricating hydrokinetic transmissions, hydraulic systems, oil-immersed (wet disc) brakes of driving axles, and power gearboxes
- It is compatible with final reduction gears, compensating gears, and power takeoff devices

TYPICAL PROPERTIES

Name	Test method	5W-20	5W-30	10W-30
Viscosity index	ASTM D 2270	197	179	249
Kinematic viscosity, mm ² /sec	ASTM D 445	at 100 °C	6.6	10.3
		at 40 °C	28.5	58.1
Flash point, COC, °C	ASTM D 92	180	212	230
Pour point, °C	ASTM D 97	-52	-54	-42
Total Base Number, mg KOH/g	ASTM D 2896	8.5	8.3	10.0
Density at 20 °C, kg/m ³	ASTM D 4052	850	855	860



Devon TO-4 Synth

Synthetic transmission and hydraulic oil for machinery operating in the Far North.

Devon TO-4 Synth utilizes polyalphaolefin (PAO) base oils and special-purpose high-performance additive packages. It is designed to ensure efficient operation of hydraulic systems and transmission elements (axles and gearboxes) equipped with special friction discs used at extremely low temperatures.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

Caterpillar TO-4 • Allison C-4 • Komatsu Micro-Clutch • Vickers 35VQ25

BENEFITS:

Oxidation stability extends oil service lives and reduces lubricant costs	Exceptional performance streamlines machinery operation	Excellent frictional properties extend useful lives of friction discs
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ADVANTAGES:

- Slipping protection of wet disc brakes and limited sleep axles
- Low-temperature pumping quality ensures rapid oil circulation during cold startups and protects friction discs against seizures
- Reduced noise and squeaking of oil-immersed brakes due to efficient friction modifiers
- Improved wear and tear resistance reduces wear and improves performance
- Full compatibility with elastomers and friction materials
- Foaming resistance reduces brake vibrations and prevents machinery from overheating
- Oxidation stability due to synthetic substrate

APPLICATION:

- Heavy-load assemblies of off-terrain machinery such as drive gears and hub drives, friction element gearboxes, hydrokinetic and mechanical gearboxes, oil-immersed disc brakes, power switching transmissions, steering and braking systems of mobile construction and road-construction machinery
- Hydraulic systems of bulldozers, cranes, stacking trucks, hydraulic drive transmissions, and engines of quarry and off-terrain special-purpose machinery, dump trucks, stackers, and tractors
- Designed specifically for machinery operating in the Far North

TYPICAL PROPERTIES

Name	Test method	0W-20
Viscosity index	ASTM D 2270	178
Kinematic viscosity, mm ² /sec	ASTM D 445	at 100 °C
		at 40 °C
Flash point, COC, °C	ASTM D 92	210
Pour point, °C	ASTM D 97	-54
Total Base Number, mg KOH/g	ASTM D 2896	9.3
Density at 20 °C, kg/m ³	ASTM D 4052	870



INDUSTRIAL OILS



Devon Polar Hydraulic Synth

Exceptionally efficient synthetic hydraulic oil for hydraulic systems of heavy-duty fixed and mobile machinery.

Devon Polar Hydraulic Synth hydraulic oil utilizes polyalphaolefins (PAOs) to ensure the best viscosity for perfect pumping quality at sub-zero ambient temperatures. Synthetic base oil also maintains the required viscosity level for hot-weather operation

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

DIN 51524 part III • TU 19.20.29-037-19084838-2020

BENEFITS:

Excellent pumping quality allows to operate the equipment at extremely low temperatures	High quality oil components ensure efficient operation of systems and improve machinery performance	Exceptional demulsifying and filterability properties ensure failsafe operation of systems in presence of water	Improved wear protection minimizes the probability of repair downtimes	Low oil consumption reduces lubricant costs
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ADVANTAGES:

- Extremely wide range of application temperatures
- Proven efficiency of hydraulic systems at extremely low temperatures
- Mechanical load and shear resistance
- Excellent filterability ensuring filter cleanliness
- Wear protection of hydraulic system assemblies
- Compatibility with hydraulic system materials, and neutrality to non-ferrous metals
- Highest viscosity index for smooth operation at any temperatures

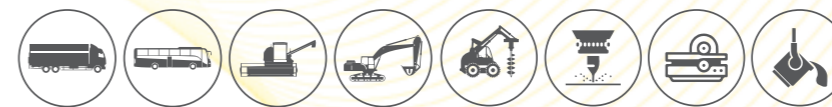
APPLICATION:

- Outdoor hydraulic systems including the ones operating at very low ambient temperatures
- Hydraulic systems and drives of fixed and mobile machinery operating at ambient differential temperatures of -50°C to +35°C

TYPICAL PROPERTIES

Name	Test method	ISO viscosity class		
		22	32	
Viscosity index	ASTM D 2270	295	305	
Kinematic viscosity, mm ² /sec	ASTM D 445	at 100 °C	7.0	9.8
		at 40 °C	23.2	33.0
		at minus 40 °C	2 006.4	2 648
Flash point, COC, °C	ASTM D 92	210	174	
Pour point, °C	ASTM D 97	-60	-56	
Acidity, mg KOH/g	GOST 5985	0.25	0.29	
Density at 20 °C, kg/m ³	ASTM D 4052	827	835	
Cleanliness Code	GOST 17216 / ISO 4406	12	12	

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Hydraulic HVLP Synth

Premium multigrade synthetic hydraulic oils for fixed and mobile machinery.

Devon Hydraulic HVLP Synth hydraulic fluids utilize synthetic oils as well as high-performance additive packages and viscosity modifiers. They ensure the best machinery performance at extremely low temperatures and improved hydraulic system performance.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

DIN 51524 part III • ISO 11158HV • Bosh Rexroth RDE 90245 • Denison HF-0,1,2 • MAG P-68, P-70

BENEFITS:

Better performance versus mineral oils, especially at high temperatures	The best protection against sub-zero startup temperatures as well as high operating temperatures	They ensure extended service lives of moving hydraulic system components and improve machinery performance	Excellent antifoaming and demulsifying properties ensure stable operation of hydraulic systems in presence of water	High oxidation resistance ensures extended oil change intervals	Extended filter service lives, and reduced service costs
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ADVANTAGES:

- Exceptionally high viscosity index as well as low oil degradation allow to the machinery to operate within the widest temperature range
- Exceptional viscosity and temperature properties ensure reliable lubrication at high temperatures and under heavy loads, and required system pressure buildup for startup at extremely low temperatures
- Fully synthetic composition ensures exceptional oxidation, temperature and hydrolytic resistance as well as prevents degradation and glazing
- Excellent filterability ensures freedom of machinery filters and gaps from contamination
- Wear protection of critical pump parts such as cam rings, and pump blades
- Compatibility with sealing materials and elastomers prevents oil contamination and leakages
- Reliable protection of metal parts against galvanic corrosion on ingress of water into the system
- Stable anti-foaming and deaerating properties ensure rapid separation of air and water to protect hydraulic drives against overheating and wear as well as to rule out the risk of cavitation and damage of hydraulic system elements
- High mechanical load and shear resistance

APPLICATION:

- Hydraulic systems of foreign- and domestic-made mobile machinery operating within wide temperature ranges and under high mechanical and thermal loads
- Application in vane, piston, gear and axial piston pumps
- Hydraulic pumps of various manufacturers such as Denison, Eaton Vickers, Bosch Rexroth, etc.

TYPICAL PROPERTIES

Name	Test method	ISO viscosity class		
		32	46	
Viscosity index	ASTM D 2270	191	212	
Kinematic viscosity, mm ² /sec	ASTM D 445	at 100 °C	7.6	10.4
		at 40 °C	35.2	48.3
		at minus 20 °C	1180	-
		at minus 10 °C	-	682
Flash point, COC, °C	ASTM D 92	240	250	
Pour point, °C	ASTM D 97	-52	-44	
Foaming tendency / foam stability, cm ³	ASTM D 892	at 24 °C	0/0	0/0
		at 94 °C	20/0	20/0
		at 24 °C (after testing at 94 °C)	0/0	0/0
Density at 20 °C, kg/m ³	ASTM D 4052	845	850	
Cleanliness Code	GOST 17216 / ISO 4406	12	12	

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Hydraulic ZF HVLP

Premium line of zinc-free multigrade fluids for heavy-duty industrial equipment and mobile machinery.

Devon Hydraulic ZF HVLP hydraulic fluids utilize a unique technology based on highly refined base oils and zinc-free package of imported additives and viscosity modifiers. Devon Hydraulic ZF HVLP boasts extended service intervals and ensures maximum protection of heavy-duty equipment

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

DIN 51524 part III • Bosch Rexroth 90220-01 • Denison HF-0,1,2 • Eaton Vickers 35VQ25 • MAG P-68, P-69, P-70

BENEFITS:

Cost-effectiveness. The extended oil service life extends its service interval, reduces machinery downtime durations, and minimizes lubricant costs	Protection. Maximum wear and corrosion protection extends machinery service life	Performance. High purity minimizes wear and tear of precision hydraulic system couples thus ensuring high performance of hydraulic drives	Confidence. Good filterability extends service lives of filter elements, and reduces service costs	Energy efficiency. Exceptional viscosity and temperature properties improve equipment performance
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BENEFITS:

- Exceptional resistance to oxidation and thermal decomposition at high temperatures
- Excellent hydrolytic stability, and protection of metal parts against galvanic corrosion
- Wear protection of critical pump parts such as cam rings, and pump blades
- Seamless system operation, and wear protection of precision couples and servo valves of hydraulic systems
- Deposit reduction to prevent valve and spool sticking during operation
- Compatibility with systems utilizing pumps, plungers and mounting discs made of silver, copper and other non-ferrous alloys
- Exceptional demulsifying properties ensure rapid separation of oil and water
- High filterability ensures cleanliness of filter elements and small gaps
- Compatibility with sealing materials and elastomers prevents oil contamination and leakages
- Reliable lubrication at maximum operating temperatures, and required system pressure buildup for startup at low temperatures
- Rapid separation of air and water to protect hydraulic drives against overheating and wear as well as to rule out the risk of cavitation and damage of pumps, distribution and control valves

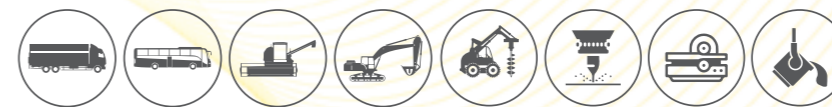
APPLICATION:

- Multigrade fluids for hydraulic systems of fixed and mobile lifting and transportation, road construction, agricultural and mining machinery for operation within wide temperature ranges requiring zinc-free oils
- Precision hydraulic systems

TYPICAL PROPERTIES

Name	Test method	ISO viscosity class					
		22	32	46	68	100	
Viscosity index	ASTM D 2270	162	160	152	150	145	
Kinematic viscosity, mm ² /sec	ASTM D 445	at 100 °C	5.3	6.4	8.1	10.9	14.3
		at minus 40 °C	22.7	31.6	46.1	68.2	101.3
		at minus 30 °C	1200	-	-	-	-
		at minus 10 °C	-	1200	1445	1760	2056
Flash point, COC, °C	ASTM D 92	200	210	225	225	228	
Pour point, °C	ASTM D 97	-45	-42	-40	-37	-35	
Foaming tendency / foam stability, cm ³	ASTM D 892	at 24 °C	40/0	35/0	35/0	40/0	40/0
		at 94 °C	70/0	50/0	60/0	60/0	60/0
		at 24 °C (after testing at 94 °C)	45/0	35/0	35/0	45/0	35/0
Density at 20 °C, kg/m ³	ASTM D 4052	840	860	865	867	870	
Cleanliness Code	GOST 17216 / ISO 4406	10	10	10	10	10	

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Hydraulic HVLPD

Multi-purpose multigrade flushing hydraulic fluids for hydraulic systems

The Devon Hydraulic HVLPD product line utilizes innovative technologies combined with highly refined oils and zinc-containing additives with improved flushing dispersive and emulsifying properties.

The product series is designed for ensuring failsafe and reliable operation of hydraulic systems where contamination with various liquids is possible.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

DIN 51524 part III, за исключением деэмульгирующих свойств по DIN 51 599 • Bosch Rexroth 90220-01 • Denison HF 0,1,2 Eaton Vickers 35VQ25 • MAG P 68, P 69, P 70

BENEFITS:

Cost-effectiveness. Oxidation resistance extends service lives and reduces lubricant costs	Protection. Maximum deposit protection extends machinery service lives	Performance. High purity minimizes wear and tear of precision hydraulic system couples thus ensuring high performance of hydraulic drives	Confidence. Good filterability extends service lives of filter elements, and reduces service costs	Energy efficiency. Exceptional viscosity and temperature properties improve equipment performance
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ADVANTAGES:

- Exceptional washing dispersion and emulsifying properties keep liquid and solid contaminants suspended or emulsified to prevent deposit accumulation in hydraulic system elements
- Compatibility with sealing materials and elastomers prevents oil contamination and leakages
- Excellent wear resistance properties and low frictional factor ensure seamless system operation
- Excellent viscosity and temperature properties ensure reliable lubrication at maximum operating temperatures as well as required system pressure buildup for startup at low temperatures
- High antioxidant and thermal stability prevent oil from ageing, sludging and glazing
- High hydrolytic stability prevents sludging on ingress of water into the system and protect metal parts against galvanic corrosion
- Good filterability ensures cleanliness of filters and small gaps
- Excellent anti-foaming and deaerating properties ensure rapid separation of air and water to protect hydraulic drives against overheating and wear as well as to prevent cavitation and damage of pumps and hydraulic system elements

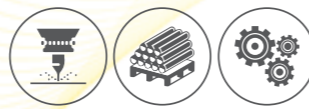
APPLICATION:

- Multigrade fluids for hydraulic systems of heavy-duty fixed and mobile road construction, agricultural and mining machinery for operation in presence of water and heavy air pollution

TYPICAL PROPERTIES

Name	Test method	ISO viscosity class		
		32	46	
Viscosity index	ASTM D 2270	160	1447	
Kinematic viscosity, mm ² /sec	ASTM D 445	at 100 °C	6.7	7.95
		at minus 40 °C	34.0	46.9
		at minus 30 °C	1 444	-
		at minus 20 °C	-	1 200
Flash point, COC, °C	ASTM D 92	220	228	
Pour point, °C	ASTM D 97	-42	-40	
Foaming tendency / foam stability, cm ³	ASTM D 892	at 24 °C	35/0	55/0
		at 94 °C	65/0	70/0
		at 24 °C (after testing at 94 °C)	35/0	60/0
Density at 20 °C, kg/m ³	ASTM D 4052	860	867	
Cleanliness Code	GOST 17216 / ISO 4406	11	11	

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Reducer CLP Synth

The line of polyalphaolefin (PAO) based synthetic oils for enclosed industrial gearboxes operating at high temperatures and under heavy loads.

Devon Reducer CLP Synth oils utilize polyalphaolefins (PAOs) and advance additive packages. Fully synthetic composition allows to use Devon Reducer CLP Synth within wide temperature ranges and under heavy loads with extended change intervals.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

DIN 51517 p. III CLP HC • AIST 224 • AGMA 9005-E02 • David Brown S1.53.106

BENEFITS:

Extended service intervals reduce maintenance costs due to the special-purpose composition and advanced additive package

Extended service lives of machinery assemblies due to micro pitting prevention, wear protection as well as corrosion protection in presence of water

Synthetic oils boast proven stability of their properties at high temperatures and during long-term operation

Excellent low-temperature properties and low frictional factor ensure proper lubrication and improved **machinery performance at extremely low temperature**

ADVANTAGES:

- High-quality PAO-based composition ensures high viscosity index, exceptional viscosity and temperature properties, and ultra high oxidation resistance
- Micro pitting wear resistance at high and low temperatures
- High bearing capacity prevents burring, damage and galling of gears and bearings
- Excellent demulsifying properties ensure rapid water removal from the system and efficient lubrication
- Efficient corrosion protection in presence of water, contamination and solid particles
- Sealing material neutrality reduces contamination and prevent oil leakages
- Low frictional factor, reliable oil film, and stable pumping quality at low temperatures

APPLICATION:

- Enclosed heavy-duty spur-, bevel- and screw-gear boxes operating at high differential temperatures
- Suitable for circulating- or splash-lubrication gearboxes
- Recommended for systems that require extended oil service lives, rarely maintained systems or hard-to-access machinery

TYPICAL PROPERTIES

Name	Test method	CLP-68 Synth	CLP-100 Synth	CLP-150 Synth	CLP-220 Synth	CLP-320 Synth	CLP-460 Synth	CLP-680 Synth
Viscosity index	ASTM D 2270	155	158	160	162	165	168	170
Kinematic viscosity, mm ² /sec	ASTM D 445	11.2	15.2	21.3	28.0	37.2	49.2	66.2
		68.5	101.5	156.8	223.4	321.1	459.3	680.2
Flash point, COC, °C	ASTM D 92	240	240	248	250	250	262	264
Pour point, °C	ASTM D 97	-45	-45	-45	-40	-40	-40	-40
Four Ball EP Performance: load wear index (LWI), N wear factor (WF), mm	GOST 9490	521	531	521	521	521	521	521
		0.3	0.3	0.3	0.29	0.3	0.3	0.29
Density at 20 °C, kg/m ³	ASTM D 4052	865	878	880	864	890	890	898
Steel and copper plate corrosion testing for 3 hours at 100 °C	GOST 2917				1b			

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Compressor VDL Synth

The line of polyalphaolefin (PAO) based synthetic oils for heavy-duty air compressors and turbochargers.

Devon Compressor VDL Synth compressor oils utilize polyalphaolefin (PAOs) combined with advance additive packages. Wellbalanced composition ensures high performance and complies with the most stringent requirements of manufacturers to compressor oil service lives.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

ISO 6743-3: DAJ • DIN 51506: VDL

BENEFITS:

Synthetic composition ensures extended oil service lives over 4,000 hours, **minimizes operating expenses for lubricants, and reduces maintenance costs**

Excellent performance **reduces repair costs, and extends service intervals**

Advanced anti-wear additive technology **extends service lives of parts**

ADVANTAGES:

- Improved oxidation and ageing resistance
- Sedimentation resistance, and maintaining cleanliness of compressor internals
- Exceptional viscosity and temperature properties, and excellent low-temperature flow behavior
- Shear resistance, and reliable bearing lubrication
- Efficient corrosion and wear protection of internal metallic parts
- Excellent anti-foaming and air-separation properties ensure rapid air separation
- Demulsifying properties ensure failsafe operation of compressors in presence of water

APPLICATION:

- Devon Compressor VDL 32, 46 and 68 Synth are designed for use in oil-intensive rotary air compressors (blade and screw compressors) and turbochargers operating at extremely high temperatures
- Devon Compressor VDL 100, 150 and 220 Synth should be used in piston rotary compressors that require oil compliant with stringent low sedimentation requirements per DIN 51506 VDL

TYPICAL PROPERTIES

Name	Test method	Devon Compressor VDL Synth					
		32	46	68	100	150	220
Viscosity index	ASTM D 2270/GOST 25371	146	152	153	177	154	148
Kinematic viscosity, mm ² /sec	ASTM D 445/GOST 33	6.4	8.3	11.2	16.6	20.1	25.7
		33.5	47.2	69.8	101.0	155.1	221.6
Entrained solids, % weight	GOST 6370	absent					
Flash point, COC, °C	ASTM D 92/GOST 4333	240	240	240	248	260	274
Pour point, °C	ASTM D 97/GOST 20287	-52	-49	-49	-48	-48	-42
Foaming tendency / foam stability, cm ³	ASTM D 892	0/0	0/0	0/0	0/0	0/0	0/0
		0/0	0/0	0/0	0/0	0/0	0/0
		0/0	0/0	0/0	0/0	0/0	0/0
Density at 20 °C, kg/m ³	ASTM D 4052/GOST 3900	840	854	855	860	874	878
Four Ball EP Performance at 20±5 °C: wear factor (WF), mm	GOST 9490				0.3		

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Compressor VDL

The series of high-quality of low-ash mineral oils designed for use in domestic- and foreign-made compressors

Devon Compressor VDL compressor oils utilize highly refined mineral oils and carefully selected additives to ensure high degree of equipment protection and reliable operation of normal- and heavy-duty compressors.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

DIN 51506 (VDL)

BENEFITS:

Excellent corrosion protection properties protect valves and reduce wear of piston rings and cylinders while wear protection properties protect working surfaces against wear and tear to extend machinery service lives

Excellent performance minimizes repair costs, and extends service intervals

ADVANTAGES:

- High degree of corrosion, burring and wear protection
- High oxidation and thermal stability
- Reduced soot caking and coking of pistons, valves and piston rings
- Minimized foaming due to good anti-foaming properties
- Rapid water separation due to excellent demulsifying performance
- Good viscosity and temperature properties

APPLICATION:

- Devon Compressor VDL 46 and 68 oils are used for lubricating screw and vane compressors while Devon Compressor VDL 100, 150 and 220 oils are used for lubricating domestic- and foreign-made piston compressors
- Circulation systems of sliding and rolling bearings of various industrial machinery operating at high temperatures TYPICAL PROPERTIES

TYPICAL PROPERTIES

Name	Test method	Devon Compressor VDL					
		46	48	100	150	220	
Viscosity index	ASTM D 2270/GOST 25371	100	95	95	95	148	
Kinematic viscosity, mm ² /sec	ASTM D 445/GOST 33	at 100 °C	6.78	8.34	11.3	13.3	19.2
		at 40 °C	47.27	65.77	101.3	151.1	227.3
Entrained solids, % weight	GOST 6370	absent					
Ash content, %	GOST 1461	0.01					
Flash point, COC, °C	ASTM D 92/GOST 4333	220	242	246	246	274	
Pour point, °C	ASTM D 97/GOST 20287	-28	-28	-28	-28	-23	
Foaming tendency / foam stability, cm ³	ASTM D 892	at 24 °C	50/0	50/0	50/0	50/0	50/0
		at 94 °C	50/0	50/0	50/0	50/0	50/0
		at 24 °C (after testing at 94 °C)	50/0	50/0	50/0	50/0	50/0
Density at 15 °C, kg/m ³	ASTM D 4052/GOST 3900	877	878	878	878	890	
Four Ball EP Performance at 20±5 °C: wear factor (WF), mm	GOST 9490	0.38	0.35	0.33	0.31	0.31	

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.



Devon Polar Chain Oil

High-quality chain oil for lubricating saw chains, guide bars and sprockets of gasoline and electrical saws as well as timber machinery operating under severe climate conditions

Devon Polar Chain Oil is a multigrade chain oil utilizing highly refined base oil and special-purpose additive packages to ensure exceptional adhesion, lubrication, preservation and corrosion resistance properties. Devon Polar Chain Oil is designed specially for lubricating saw chains, guide bars and sprockets used in all types of timber machinery harvester heads.

APPROVALS | SPECIFICATIONS | MEETS REQUIREMENTS:

TS 19.20.29-020-19084838-2019

BENEFITS:

Excellent surface adhesion properties **reduce lubricant losses in the course of operation and during downtime**

Protection of chains and saw mechanism parts against wear and corrosion **maximizes saw service lives**

Excellent lubricating properties **ensure reliable overheating protection of saw mechanisms**

ADVANTAGES:

- Protective oil film prevents wear and corrosion of saw mechanism parts
- Protection of chains and drive parts against corrosion, and corrosion prevention for saws both in operation and in storage
- Stable oil film adheres reliably to saw bar, chain and sprocket working surfaces due to highly adhesive special-purpose components
- Removal of contamination, sawdust and wear products from frictional surfaces
- Exceptional penetration capacity allows oil to enter pivot joints of saw chains rapidly to ensure reliable lubrication and wear protection of pivots

APPLICATION:

- All types of timber machinery harvester heads with automatic lubrication systems operating at temperatures of -30 °C to +35 °C
- All types of gasoline and electric chainsaws with manual or automatic chain oil supply systems

TYPICAL PROPERTIES

Name	Test method	Devon Polar Chain Oil	
Viscosity index	ASTM D 2270	110	
Kinematic viscosity, mm ² /sec	ASTM D 445	at 100 °C	5.5
		at 40 °C	31.7
Water, % weight	GOST 2477	absent	
Flash point, COC, °C	ASTM D 92	230	
Pour point, °C	ASTM D 97	-45	
Density at 20 °C, kg/m ³	ASTM D 4052	845	

Typical properties are average values, they do not represent manufacturer's specification and may be changed according to the requirements of Devon Lubricants Plant LLC.

Abbreviations and Definitions

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  For light vehicles |  For close pass and sink drawing systems |
|  For buses and public transport |  For steam and gas turbines, hydraulic turbines, turbochargers |
|  For drilling equipment and road repair equipment |  For trucks |
|  For industrial equipment, tunnel furnaces and hot conveyors |  For mining equipment |
|  For metal- and woodworking equipment |  For stationary gas engines |
|  For commercial small vehicles |  For bearings of rolling mills and friction assemblies of metallurgical equipment |
|  For agricultural machinery |  For gearboxes and gears |
|  For petrol-powered saws | |



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