



HAVOLINE[®] PRODS[®] FULL SYNTHETIC MOTOR OIL

SAE 0W-16, 0W-20, 5W-20, 5W-30, 10W-30

PRODUCT DESCRIPTION

Havoline[®] ProDS[®] Full Synthetic Motor Oil provides outstanding protection for grueling stop-and-go driving, extended oil drain intervals, heavy loads and for vehicles with turbo chargers and those that require a synthetic motor oil.

FEATURES

Havoline ProDS Full Synthetic Motor Oil with Deposit Shield[®] technology is specially engineered for the highest level of protection demanded by high-performance engines. It exhibits outstanding protection against heat, pressure, corrosion, acid, abrasion - all the things that can prematurely age today's smaller, higher output engines.



Havoline ProDS Full Synthetic Motor Oil with Deposit Shield technology meets or exceeds the requirements of API SN Plus Resource Conserving and ILSAC GF-5. It provides:

- Outstanding protection against wear¹
- Outstanding protection against sludge and deposits to keep your engine clean²
- Outstanding protection against piston varnish in the industry's toughest high-temperature stress test³
- Improved fuel economy⁴
- Improved thermal stability for smaller and hotter engines

- 1 Demonstrated in the Sequence IVA Wear Test for SAE 0W-16, 0W-20, 5W-20, 10W-30, and in the Peugeot TU3M Pad Wear Performance parameter for 5W-30.
- 2 Demonstrated in the Sequence VG Test for SAE 0W-16, 0W-20, 5W-20, 10W-30, and in the Sequence VG Rocker Cover Sludge Performance for 5W-30.
- 3 Demonstrated in the GM GMOD oxidation test for SAE 0W-20 and 5W-30.

- Excellent degradation control for long automaker-recommended oil change intervals
- Extremely fast lubrication during start up
- Protects Gasoline Direct Injection (GDI) engines from low-speed pre-ignition (LSPI)

SAE 0W-16 is an ultra-low viscosity engine oil specially formulated for Toyota and Honda gasoline and hybrid engines that are designed to operate on an SAE 0W-16 viscosity motor oil. Designed for modern start/stop engines to provide outstanding fuel economy, exceptionally fast lubrication at cold starts, and excellent deposit control and wear protection. It meets the requirements of API SN Plus/Resource Conserving performance categories.

SAE 0W-20 is licensed under the dexos1[™] Gen 2



specification⁵ (License no. D10216GL089). It is recommended for use in FCA, Ford, GM, Honda, Mazda, Mitsubishi, Nissan and Toyota engines for either SAE 0W-20 or SAE 5W-20 applications. It can increase engine efficiency and improve fuel economy up to 2% compared with other common lubricant grades and provides excellent engine protection in applications recommending SAE 0W-20 or 5W-20 motor oils.⁶

SAE 5W-20 is recommended for use in Acura, Chrysler, FCA, Ford, Honda and Mazda engines where an SAE 5W-20 viscosity grade is specified. It provides

- 4 Demonstrated in industry standard Sequence VID test for SAE 0W-20 and 5W-30, and in API SN Plus Resource Conserving and ILSAC GF-5 for SAE 5W-20 and 10W-30.
- 5 dexos1 is a registered trademark of General Motors LLC.
- 6 Actual savings are dependent upon vehicle/engine type, outside temperature, driving conditions, and your current engine oil viscosity.

Product(s) manufactured in the USA and Colombia.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

20 May 2019
PCMO-90

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exceptional performance in extreme cold temperatures.

SAE 5W-30 is licensed under the dexos1 Gen 2 specification (License no. D10168GJ089). It is recommended for Acura, Chrysler, FCA, Ford, GM, Honda, Mazda, Nissan and Toyota engines calling for this grade. It provides exceptional performance in extreme cold temperatures.



SAE 10W-30 provides good performance in a wide variety of weather conditions in the most popular viscosity grade. It is an ideal choice for legacy engines calling for this SAE viscosity grade.

APPLICATIONS

Havoline® ProDS® Full Synthetic Motor Oil with Deposit Shield® technology is engineered for use in:

- Advanced engines with turbochargers, gasoline direct injection, and high power density
- Extreme hot or cold climate conditions
- Most domestic and import passenger cars, pickup trucks, SUVs and working vans
- New and older vehicles

APPROVALS AND SPECIFICATIONS

Meets or exceeds the following OEM specifications and industry standards:

| SAE Grade | 0W-16 | 0W-20 | 5W-20 | 5W-30 | 10W-30 |
|-------------------------------------|-------|-------|-------|-------|--------|
| Acura/Honda HTO-06 | | | | X | |
| API SN/SN Plus/Resource Conserving | X | X | X | X | X |
| ILSAC GF-5 | | X | X | X | X |
| Chrysler MS-6395 | | X | X | X | X |
| Fiat 9.55535-CR-1 | | X | X | X | X |
| Ford WSS-M2C945-B1 | | | X | | |
| Ford WSS-M2C946-B1 | | | | X | |
| Ford WSS-M2C947-B1 | | X | | | |
| GM dexos1 Generation 2 ^a | | | | | |
| GM4718M | | | | X | X |
| GM6094M | | X | X | X | X |

a 0W-20 dexos1™ Generation 2 License No. D10216GL089. 5W-30 dexos1 Generation 2 License No. D10168GJ089.

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TYPICAL TEST DATA

| SAE Grade | 0W-16 | 0W-20 | 5W-20 | 5W-30 | 10W-30 |
|--|--------------|--------------|--------------|--------------|---------------|
| <i>Product Number</i> | 223517 | 223508 | 223509 | 223510 | 223511 |
| <i>SDS/MSDS Number</i> | | | | | |
| <i>USA</i> | 48323 | 47956 | 47959 | 47962 | 47965 |
| <i>Canada</i> | 48325 | 47957 | 47960 | 47963 | 47966 |
| <i>Mexico</i> | 48326 | 47958 | 47961 | 47964 | 47967 |
| <i>Colombia</i> | | 44191 | 44191 | 44191 | 44191 |
| Density at 15°C, kg/L | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| Viscosity, Kinematic | | | | | |
| cSt at 40°C | 42.0 | 42.3 | 46.6 | 62.1 | 62.3 |
| cSt at 100°C | 7.9 | 8.4 | 8.5 | 11.0 | 10.2 |
| Viscosity, Cold Crank, °C/Poise | -35/5600 | -35/4700 | -30/3600 | -30/4000 | -25/3500 |
| Viscosity Index | 161 | 175 | 161 | 170 | 152 |
| Pour Point, °C(°F) | -36(-33) | -39(-38) | -33(-27) | -33(-27) | -33(-27) |
| Volatility, NOACK, 250°C, 1 h Evaporation Loss, % | 12.0 | 12.1 | 11 | 12.3 | 10 |
| Phosphorus, wt % | 0.076 | 0.076 | 0.076 | 0.076 | 0.076 |
| Zinc, wt % | 0.089 | 0.089 | 0.089 | 0.089 | 0.089 |

Minor variations in product typical test data are to be expected in normal manufacturing.

To find the right Chevron Havoline product for your vehicles, please consult www.Havoline.com to find the right motor oil using our Product Selector tool.

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TECHRON[®] CONCENTRATE PLUS

Complete Fuel System Cleaner

PRODUCT DESCRIPTION

Techron[®] Concentrate Plus is a **Complete Fuel System Cleaner** that works in one tankful. It is formulated for gasoline powered passenger cars and light trucks, including carbureted, two-stroke, port fuel injected and direct injected engines.

CUSTOMER BENEFITS

Techron Concentrate Plus, Complete Fuel System Cleaner, is recommended by many major automakers, the world over. It is an *unsurpassed*, complete fuel system cleaner, that can help:

- Clean deposits from fuel injectors, carburetors, intake valves, and combustion chambers
- Cleans, restores, and protects the entire fuel system, including sulfur-contaminated fuel gauge sensors

One tankful of fuel treated with Techron Concentrate Plus, Complete Fuel System Cleaner, can help:

- **Maximize fuel economy¹**
- **Restore lost power and performance**
- **Restore and protect operation of the fuel gauge sensor**
- **Minimize harmful exhaust emissions**
- **Relieve cold start problems**
- **Minimize deposit-related knock and ping**
- **Restore lost acceleration**
- **Remove deposits from two-stroke engines²**

1 Restores lost fuel economy by removing harmful fuel injector and intake valve deposits.

2 Treat fuel at 1 ounce per gallon (30 ml per 3.78 L).

Product(s) manufactured in the USA.

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A **Chevron** company product

14 April 2015

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APPLICATIONS

Techron® Concentrate Plus, Complete Fuel System Cleaner, is designed for gasoline carbureted or fuel injected spark ignition engines. To keep the entire fuel system clean, use Techron Concentrate Plus, Complete Fuel System Cleaner, every 3,000 miles (4,800 km) or at scheduled oil change intervals, not to exceed twice per oil change.

Recommended for use in:

- Spark ignition engines with gasoline, ethanol and gasoline/ethanol blends
- Direct injected gasoline engines (DISI)
- Gasoline hybrid vehicles

Suitable for use in:

- Gasoline two-stroke air-cooled engines (motorcycle or chainsaw)
- Gasoline two-stroke water-cooled engines (motorcycle or marine)
- Gasoline four-stroke lawnmower, motorcycle and marine engines

Will not harm catalytic converters and oxygen sensors.

Not recommended for diesel engines.

PRODUCT AND SDS NUMBERS

| | |
|-----------------------|---------------|
| | |
| <i>Product Number</i> | <i>266701</i> |
| <i>SDS Number</i> | <i>36726</i> |

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