



Delo® Sports Advanced SAE 5W-30

Sports Utility Vehicle Synthetic Engine Oil

Product Data Sheet



Customer benefits

Maximizes engine life

Highly oxidatively stable synthetic base fluid combined with excellent dispersancy and anti-wear characteristics minimize deposit formation and wear thereby extending engine life. Control of soot related wear is especially important for diesel engines in SUV subject to stop/start city driving or in severe off-road service. Wide range multigrade viscosity provides additional protection against wear at start-up and under high temperature operating conditions.

Maximize power and performance

High performance synthetic base fluid combined with outstanding metallic detergent additive system preserves full power and performance by providing excellent upper- ring-belt deposit control under the high temperatures encountered in turbocharged diesel engines. Reduced wear and tear of valve train wear means maintaining combustion characteristics close to design leading to maximizing power and efficiency.

Minimize Operating costs

In comparison with conventional SAE 15W-40 engine oils, the fully synthetic SAE 5W- 30 formulation with outstanding viscosity control offers potential fuel economy benefit.

Reduces oil consumption

SAE 5W-30 viscosity and high viscosity index synthetic base fluid provide superior control of oil flow through the piston ring area by maintaining oil viscosity, and reduce oil evaporation at the elevated ring zone temperatures experienced under high temperature on or off-road conditions.

Applications

- Sport utility and sport activity recreational vehicles, diesel-engined, where PCDEO type of oils meeting ACEA A3/B4 are required.
- High performance pick-up and 4x4 type vehicles, diesel-engined, where PCDEO type of meeting ACEA A3/B4 are required.
- Diesel engines utilizing diesel fuels with up to 20% biodiesel (B20)*

Note: * When using Biodiesel blended fuel meeting ASTM D7467 (B6 – B20) or equivalent. When using >B6 biodiesel it is critical to monitor the engine oil level and performance.

Note: for use with Diesel and Gasoline powered vehicles without DPF or GPF Aftertreatment Systems.

Product features:

- **Delo® Sports Advanced SAE 5W-30** is a high performance, multigrade, synthetic diesel engine oil specifically designed to provide ultimate protection for sport utility, sport activity, pick up and 4x4 type vehicles that require ACEA A3/B4 type engine oils.
- **Delo® Sports Advanced SAE 5W-30** is formulated with robust additive technology to provide maximum engine durability at extended drain intervals under severe operating conditions
- **Delo® Sports Advanced SAE 5W-30** is formulated from fully synthetic base fluids.





Typical key properties

DELO® SPORTS ADVANCED		
SAE Grade		5W-30
Product Code		500523
Base No.,mg KOH/g	D2896	10.9
Sulfated Ash, m %	D874	1.4
Viscosity, mm ² /s @ 40°C	D445	73.5
mm ² /s @ 100°C	D445	12.2
Viscosity Index		167
Pour Point, °C	D97	-45

2007

Performance standards

- ACEA A3/B4



Service considerations

Light-duty diesel engines, as used in passenger cars, light commercial vehicles and sport-utility vehicles vary in their lubricant requirements. Typically, the requirement is for engine oils that have been designed expressly for light-duty diesel engines, and which meet one of the major light-duty diesel engine oil specifications, such as ACEA A/B, the ACEA C-series Sequences. These specifications require performance characteristics that are somewhat different to those customarily associated with heavy-duty engine oils (HDMOs).

Furthermore, with a growing need for robust passenger car diesel engine oil ACEA has defined ACEA A3/B4 as extended drain oils to be used in Passenger Car and Light Duty Van Gasoline and DI Diesel Engines and for severe operating conditions. Delo Sports Advance is specifically designed to cater to these applications. These oils may not be suitable for engines which are designed to work with low HTHS of minimum 2.9 mPa.s and OEM's owner's manual/handbook must be consulted in case of doubt.

There are however some light-duty diesel engines, particularly those from Asian builders, for which HDMOs that meet a current or recent API C-series category and or JASO DH-1 level are either required or acceptable. There are other products in the Delo® Sports series which are intended for use in such engines such as Delo Sports Fully Synthetic SAE 5W-40, Delo Sports Synthetic Blend SAE 10W-30 and Delo Sports Synthetic Blend SAE 15W-40. Please refer respective PDS for details on these products.

Not recommended for use in gasoline or diesel engines that require ACEA A1/B1 (obsolete category), A5/B5 or C-series oils or in any motorcycle engines.

When using with biodiesel blends containing >6% B100, monitoring oil condition is critical. Fuels with higher biodiesel content increase the risk of fuel dilution in the engine oil. This reduces the oxidation stability of the engine oil as biodiesel tends to oxidise more rapidly thus directly impacting the oil drain intervals. Biodiesel contents greater than B5 have a lower energy content than diesel fuel, which may result in slight horsepower loss and slightly increased fuel consumption.

Always follow OEM recommendation for appropriate fuel and engine oil selection.

ENVIRONMENT, HEALTH and SAFETY

Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit www.caltex.com

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by:
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