



# PRODUCT DATASHEET

## SPC SDM TURBO SUPER

Synthetic Diesel Engine Oil

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**SPC SDM TURBO SUPER** is a high performance synthetic engine oil specially formulated for high-speed, four-stroke engines designed to meet 2004 exhaust emission standards implemented in 2002 and is designed to sustain engine durability where exhaust gas recirculation (EGR) is used.

It is also suitable to meet the most severe lubrication requirements of European heavy-duty diesel engines particularly low emission EURO II, III and IV engines running under extreme conditions and significantly extended oil drain intervals.

### PERFORMANCE STANDARDS

**SPC SDM TURBO SUPER** meets the following performance requirements:

- API CI4/SL
- ACEA E3-96 issue 4/E5-02/E7-04
- MAN 3275
- Mack EO-M, EO-M Plus
- Volvo VDS-3
- CUMMINS CES 20078
- Global DHD-1
- MB p 228.3
- MTU Category 2

### BENEFITS

**SPC SDM TURBO SUPER** provides the following benefits:

- Resists formation of lacquer, sludge and other deposits in the engine system under high temperature operations thus significantly extend oil drain intervals.
- Maintains maximum engine protection due to Superior wear and bearing corrosion control.
- Protects the engine against corrosion from acidic combustion by-products of combustion with good antirust and anticorrosion properties.
- Reduces costs by extending oil drain and engine overhaul intervals.
- Protects against the formation of varnish and gums at elevated temperatures, resist thickening, oil line and filter plugging due to the outstanding oxidation inhibitors.

## APPLICATIONS

**SPC SDM TURBO SUPER** is recommended for use in diesel engines, such as high speed, four-stroke, turbocharged or naturally aspirated engines operating under very severe conditions. It is suitable for both highway, off-highway vehicular diesel engines where SHPD oils and extended drain intervals are required.

Meets 2004 exhaust emission standards and is recommended for use in the latest exhaust gas recirculation (EGR) engines.

**SPC SDM TURBO SUPER** can be used in place of CD, CE, CF-4, CG-4 and CH-4 and mixed fleets of gasoline engines.

**SPC SDM TURBO SUPER** is specially recommended for most of the Japanese heavy-duty diesel engines in mind such as UD, HINO, ISUZU and MITSUBISHI by meeting the demands of enhance exhaust emission control, improved oil performance for abrasive and corrosive wear protection, thermal oxidation stability and soot handling property.

## TYPICAL CHARACTERISTICS

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### SPC SDM TURBO SUPER

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SAE Grade	10W40
Viscosity, Kinematic	
at 40 deg C, cSt	105.7
at 100 deg C, cSt	15.7
Viscosity, Apparent	
at -25 deg C, cP	6100
Viscosity Index	158
Specific Gravity, 15/15 deg C	0.863
Flash Point, COC, deg C	220
Pour Point, deg C	-30
TBN, mgKOH/g	9.7

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The above figures are typical of current production and do not constitute a specification. Minor variations may occur.