



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

5 Tarlington Place Smithfield NSW 2164

Correspondence: P.O Box 322 Castle Hill NSW 1765

Ph: 1300 796 009 | Fax: (02) 9604 1611 | Email: hitecoils@hi-tecoils.com.au

www.hi-tecoils.com.au

PRODUCT DATA SHEET

PREMIER SG 20W50

DESCRIPTION

PREMIER SG 20W50 multigrade is a high performance engine oil for naturally aspirated and turbocharged four stroke gasoline engine passenger cars. PREMIER SG 20W50 exceeds API Service Classifications SG/CD. PREMIER SG 20W50 gives vastly improved protection resistance against engine wear, high temperature oxidation deposits and sludge formation as well as protection against low temperature "black sludge" development.

CHARACTERISTICS

LONGER ENGINE LIFE. PREMIER SG 20W50 provides increased engine life since the minimal wear rates associated with older quality SF engine oil are decreased at least 30%. Full bodied lubrication is further enhanced by the shear and thermal stability of PREMIER SG 20W50.

BLACK SLUDGE BEATEN. The increased levels of powerful dispersants and detergents of PREMIER SG 20W50 maintain clean engines under all service conditions. The special active ashless dispersants inhibit formation of Black Sludge development especially under the constant cold temperature operation of urban motoring which is a major cause of this harmful sludge. Engine passages are kept clean to ensure the full bodied lubricant reaches every critical engine component requiring lubrication.

FUEL ECONOMY. "Energy Saving" benefits are available by the inclusion of friction reducing chemistry in PREMIER SG 20W50. Reducing friction decreases engine drag so that engine power efficiency is increased resulting in less litres of fuel per 100 kilometres.

HIGH TEMPERATURE PERFORMANCE is enhanced by the careful selection of thermally stable base oils and oxidation inhibitors, viscosity improvers and detergents. High temperature deposits and lacquers associated with oxidation and nitration, which occurs in lean burn fuelled engines, are avoided so that peak engine performance is always available under the extremes of sustained high speed highway motoring. Viscosity thickening is one result of oxidation. PREMIER SG 20W50 contributes to less oxidation and more protection from piston deposits compared to SF engine oils when tested in the ASTM Sequence IIIE engine.

DIESEL & GASOLINE TURBO PERFORMANCE. PREMIER SG 20W50 provides excellent performance in turbocharged gasoline four stroke engines. PREMIER SG 20W50 provides excellent control against ring groove and bore deposits and wear in the Caterpillar 1G2 test engine which has been a requirement of API Services Classification CD.

RUST & CORROSION. Protection by high levels of alkali reserve additives neutralises those acidic corrosive combustion products which have been scavenged past the rings. Rust inhibitors overcome the rust prone condensation tendencies in cooling engines after engine shut-down.



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OIL CONSUMPTION MINIMISED. The higher viscosity levels of multigrade PREMIER SG 20W50 when compared to their monograde types in the high temperature ring areas, maintain more effective seal so that oil consumption is minimal.

CATALYTIC CONVERTER LIFE EXTENDED. The balance of anti-wear additives relative to phosphorus content minimises catalyst poisoning so that the efficiency of conversion of the exhaust gases to harmless emissions meets government regulations. Impeding catalyst glazing promotes long life catalyst performance.

SPECIFICATIONS:

PREMIER SG 20W50 is recommended for API_service:

Gasoline Engines SG

Diesel Engines CD

FORD M2C.153E (D & C),
GM 6085M, 6048M,

US Military Specification MIL-L-46152E

<u>TYPICAL TESTS</u>	<u>ASTM METHOD</u>	<u>SAE 20W/50</u>
Density, kg/Lt at 5°C	D.1298	0.892
Viscosity, cP at -10°C	D.2602	4198
cSt at 100°C	D.445	19
cSt at 40°C	D.445	186
Viscosity Index	D.2270	115
Pour Point, °C	D.97	-24
Flash Point, COC, °C	D.92	234
Total Base Number	D.2896	5.3
Foaming Characteristics -		
All Sequences, 10 Min Settling	D.892	Pass
Rust Prevention Characteristics	D.665	Pass

Product Code: 2029

"The facts stated and the recommendations made herein are believed to be accurate. No guarantee of their accuracy is made however, and unless otherwise expressly provided in written contract, the products are sold without conditions or warranties, expressed or implied. Purchasers should determine the suitability of such products for their particular purposes".

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