

OIL TECH

The Lubrication Specialists

TECHNICAL DATA SHEET

ULTRA LS 5W/30

PRODUCT DESCRIPTION

ULTRA LS 5W/30 is a full synthetic, LOW SAPS, super high performance engine oil which combines the latest development in oil formulation and additive technology to provide a lubricating oil with the highest level of protection.

APPLICATION

ULTRA LS Today's environmentally conscious market demands reduced emissions and increased fuel efficiency. This has led to the development of new engine designs resulting in demands for higher quality lubricants.

In recent years car manufacturers have developed smaller, higher output engines to meet stricter fuel economy limits. Small engines help decrease vehicle weight and improve economy but these engines impact lubricants through:

-**Increased heat** which accelerates the rate of oxidation, nitration and deposits. This degrades the oil and encourages the creation of more acid and increases viscosity.

Increase pressure and speed which makes it harder for the oil to maintain a lubricant film to prevent metal on metal contact. This accelerates valve train wear.

-**Emission Control.** Most of today's petrol engines are fitted with three way catalytic converters which reduce emissions of CO, Nox and unburned carbon. These comprise a Reduction Catalyst, which converts Nox to harmless Nitrogen, and an Oxidation Catalyst which burns the CO and hydrocarbons. Catalytic converters, however, are susceptible to SAPS, Sulfated Ash, Phosphorous and Sulfur, present in detergent and antiwear additives and in base oils.

PERFORMANCE

- May be used where oils meeting ACEA C3 are specified.
- Stable stay-in-grade oils intended for use as a catalyst compatible oil in vehicles with Diesel Particulate Filter (DPF) and Three Way Catalyst (TWC) performance diesel and petrol engines will increase the life of the DPF and TWC. Latest meets all the latest stringent performance and emission specifications.

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PERFORMANCE CHARACTERISTICS

API- SM/SL/SJ/CF

ACEA - A3/B4-04, C3-04

MB 229.51

VW 50200, 50500,50501

BMW LL-04

TYPICAL INSPECTION

Properties	Unit	Value
Appearance		Fluro
Density, kg/lt @ 15°C		0.85
Viscosity @40 °C	cSt	70.8
Viscosity @100 °C	cSt	12.2
Viscosity Index		170
Flash Point °C		>200
HTHS,	cP	3.51
Cranking, cP@-30°C	cP	6280
Viscosity Index		170
TBN	Mg KOH/g	7.1
Sulphated Ash content	%	0.77
Phosphorous Content	% wt	0.08
Sulphur Content	% wt	0.20