



# TECHNICAL DATA SHEET

## LL 5W-30 LS

Fully synthetic low SAPS engine oil

Product code: N227

### Product Description:

LL 5W-30 LS is a new generation fully synthetic multigrade engine oil formulated using the latest developments in synthetic technology together with the most up to date advancements in additive chemistry.

LL 5W-30 LS has been developed to enable outstanding performance to be provided along with full compatibility with emission control after treatment systems. Low SAPS (sulphated ash phosphorus and sulphur) additive technology ensures optimum performance of emission control equipment including diesel particulate filters thereby ensuring a high level of continuous pollution control and minimising environmental damage.

### Benefits:

- Designed for BMW Longlife-04 and Mercedes-Benz MB 229.31 specifications
- Provides protection for diesel particulate filters and catalytic converters
- Provides high performance with fuel efficiency
- Exceptional long-term additive response

### Applications:

LL 5W-30 LS is particularly formulated to meet the performance demands and requirements of the most up to date BMW Longlife-04 specification and Daimler-Chrysler MB 229.31 which encompass high standards of emission control under all conditions including vigorous high speed styles of driving.

### Product Specification:

API	SM/CF
ACEA	C3
BMW	Longlife-04
MB	229.31



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## Typical Test Data:

Kinematic Viscosity @ 100°C (cSt)	11.8
Kinematic Viscosity @ 40°C (cSt)	72.3
Viscosity Index	160
CCS @ -30°C (cP)	6080
Sulphated Ash (% weight)	0.773
TBN (mg KOH / g)	7.8
Flash Point COC (°C)	212

## Health & Safety:

Please refer to the safety data sheet, a copy of which is freely available to all of our customers.