

# Product Data Sheet

## Mobil Synt S 5W-40 Synthetic Technology Extra High Performance Multigrade Engine Oil

### Product Description and Application

Mobil Synt S 5W-40 has been developed, using Mobil synthetic technology, as an extra high performance engine oil suitable for all gasoline and diesel passenger cars. It is particularly well suited for use in modern, high performance engines, especially vehicles fitted with multi-valves, turbo-chargers, and Direct Injection systems operating under the most severe conditions.

Mobil Synt S 5W-40 exceeds the requirements of major car manufacturers, and is formally approved against VW 502/505, MB Sheet 229.3 and BMW "Long Life" specifications.

Based on the synthetic technology, Mobil Synt S 5W-40 flows through the engine faster, offering outstanding protection during the critical period of engine start-up when most engine wear occurs. It remains fluid at temperatures below -45°C and provides outstanding protection under the most extreme cold weather conditions.

Mobil Synt S 5W-40 is recommended for use in all modern passenger car gasoline and diesel engines, including turbo-charged and direct injection models. It is also suitable for light duty trucks and vans.

Mobil Synt S 5W-40 is recommended for use under severe operating conditions where oils offering superior performance are required. It easily surpasses the performance of mineral engine oils.

### Benefits

Mobil Synt S 5W-40 delivers outstanding proven benefits :

- Specially designed for today's driving - from stop/start city traffic to high speed motorway cruising
- Low viscosity delivers fast flow to the engine parts that need most protection from wear at start-up, and in stop/start conditions
- High temperature performance ensures protection under the strain of consistent high speed operation
- Meets the latest specifications of all leading engine manufacturers
- Delivers proven fuel economy benefits
- Capable of extended drain intervals
- Offers environmental benefits via lower emissions, improved oil consumption and fuel economy
- Helps keep diesel engines cleaner - better soot dispersion and enhanced engine cleanliness

### Specifications

Mobil Synt S 5W-40 meets or surpasses the following specifications :

- ACEA A3 / B3 / B4-98
- API SJ / CF
- BMW "Long Life Oil" Approval
- Mercedes-Benz Sheet 229.3
- VW 502.00 / 505.00 approved

## Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

## Typical Characteristics

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### Mobil Synt S 5W-40

SAE Grade	5W-40
Viscosity, cSt at 40°C	82.5
Viscosity, cSt at 100°C	13.7
Viscosity Index	170
CCS ( Cold Cranking ) Viscosity, cP at -25°C	3220
High Temperature High Shear Viscosity, cP	3.55
Noack Volatility, % Wt	10.4
Total Base Number (TBN), mg KOH/g	11.7
Pour Point, °C	-48
Flash Point, °C	230

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Due to continual product research and development, the information contained herein is subject to change without notice.

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