Mobil Product Data Sheet

Mobil Super S Series

Semi-Synthetic Motor Oil

Product Description

The Mobil Super S Series are extra high performance semi-synthetic motor oils designed to provide outstanding protection for the engines of all gasoline- and diesel-powered passenger cars, light trucks and vans. Mobil Super S Series are particularly suitable for high performance engines, especially those fitted with turbochargers. These extra high performance products are formulated from a unique blend of synthetic hydrocarbons and highly refined mineral oils and a superior additive system to provide exceptional overall engine cleanliness and protection against wear at high temperatures and under severe operating conditions. Excellent low temperature fluidity ensures easy starting in cold weather conditions and low volatility contributes to low oil consumption.

Specifications

Mobil Super S Series meets or exceeds the requirements of the following specifications:

- API SH, CF, CD service classifications
- API "Energy Conserving" requirements (Mobil Super S 5W-40)
- CCMC G-5, CCMC PD-2 (Mobil Super S 5W-40, Mobil Super S 10W-40) CCMC G-4, CCMC PD-2 (Mobil Super S 15W-40, Mobil Super S 15W-50, Mobil Super S 20W-50)
- VW 500.00, 505.01 performance (Mobil Super S 5W-40, Mobil Super S 10W-40)
 VW 501.00, 505.01 performance (Mobil Super S 15W-40, Mobil Super S 15W-50, Mobil Super S 20W-50)
- JASO Valve Train Wear Test
- Mobil Super S Series products exceed the engine oil requirements of BMW.
- Mobil Super S Series exceed the engine oil performance recommendations of all major car manufacturers.

Benefits

The combination of very high quality synthetic hydrocarbons, mineral oils and advanced additive technology ensures that Mobil Super S Series offer performance benefits which are superior to those obtainable with conventional mineral motor oils. These benefits include the following:

- Outstanding engine cleanliness and antiwear properties leading to longer engine life
- Easier starting at low temperatures
- Excellent high temperature properties
- Low oil consumption
- Turbo-proven dependability

Applications

Mobil Super S Series are recommended for use in all modern passenger car gasoline and diesel engines, including turbocharged models. They are also suitable for all light duty trucks and vans.

Mobil Super S Series are recommended for use under the most severe operating conditions where oils offering superior performance are required.

Typical Properties

Mobil Super S Product Code		5W-40 97D525	10W-40 97D673	15W-40 97D040	15W-50 97D134	20W-50 97D726
Product code	Test	970020	9/00/3	970040	9/0134	9/0/20
	Method					
SAE Grade		5W-40	10W-40	15W-40	15W-50	20W-50
Viscosity	ASTM D445					
cSt at 40°C		86	92	107	136	154
cSt at 100°C		14.1	14.0	14.7	18.4	18.4
Viscosity Index	ASTM D2270	170	155	142	155	134
Viscosity after shear,	DIN 51382					
cSt at 100°C		13.6	13.5	13.4	17.0	17.0
CCS Viscosity	ASTM D5293					
cP at -25°C		3200	-	-	-	-
cP at -20°C		-	3200	-	-	-
cP at -15°C		-	-	2900	2900	-
cP at -10°C		-	-	-	-	2980
MRV Viscosity/Yield	ASTM					
Stress	D4684					
cP at -30°C		11,600/<35	-	-	-	-
cP at -25°C		-	12,600/<35	-	-	-
cP at -20°C		-	-	10,200/<35	13,500/<35	-
cP at -15°C		-	-	-	-	9800/<35
High Temperature/High	ASTM					
Shear (HTHS)	D4683					
Viscosity (150°C/10 ⁶ s ⁻¹)		3.8	3.8	3.9	4.5	4.6
cSt		0.0	0.0			
Noack Volatility	CEC					
1 hr at 250°C	L-40-T87					
Loss wt %		11.9	12.2	12.8	12.3	8.2
Flash Point, °C	ASTM D92	222	223	218	218	226
Pour Point, °C	ASTM D97	-51	-36	-30	-30	-27

Health & Safety

Based on available toxicological information, these products produce no adverse effects on health when properly handled and used. No special precautions are suggested beyond attention to good personal hygiene, including laundering oil-soaked clothing and washing skin contact areas with soap and water. Additional health and safety information on these products, including Material Safety Data Bulletins, is available on request from your local Mobil company.