



Product Data Sheet

Mobil Super Diesel Series

Quality Motor Oils

Product Description

Mobil Super Diesel Series are quality motor oils designed to provide a very high level of protection for the engines of all diesel-powered passenger cars, light trucks and vans, including those fitted with turbochargers. These products are formulated from highly refined mineral oils and a superior additive system to provide outstanding overall engine cleanliness and protection against wear at high temperatures and under severe conditions. Very good low temperature fluidity ensures easier starting in cold weather and low volatility contributes to low oil consumption.

Specifications

Mobil Super Diesel Series meet or exceed the requirements of the following specifications:

- API SH, CF, CD service classifications
- API "Energy Conserving" requirements (Mobil Super Diesel 10W-40)
- CCMC G-5, CCMC PD-2 (Mobil Super Diesel 10W-40) CCMC G-4, CCMC PD-2 (Mobil Super Diesel 15W-40, Mobil Super Diesel 15W-50, Mobil Super Diesel 20W-50)
- VW 500.00, 505.01 performance (Mobil Super Diesel 10W-40) VW 501.00, 505.01 performance (Mobil Super Diesel 15W-40, Mobil Super Diesel 15W-50, Mobil Super Diesel 20W-50)
- JASO Valve Train Wear Test

Benefits

The combination of highly refined mineral oils and advanced additive technology ensures that Mobil Super Diesel Series offer performance benefits which are superior to those obtainable with conventional motor oils. These benefits include the following:

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

Applications

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

Mobil Super Diesel Series are recommended for use in severe operating conditions where high performance oils are required.

Typical Properties

Mobil Super Diesel		10W-40	15W-40	15W-50	20W-50
Product Code		97D623	978034	97D830	97D455
	Test Method				
SAE Grade		10W-40	15W-40	15W-50	20W-50
Viscosity	ASTM D445				
cSt at 40°C		96	107	138	162
cSt at 100°C		14.5	14.5	18.0	18.0
Viscosity Index	ASTM D2270	157	133	145	127
Viscosity after shear,	DIN 51382				
cSt at 100°C		13.8	13.4	16.7	17.0
CCS Viscosity	ASTM D5293				
cP at -25°C		3700	-	-	-
cP at -20°C		-	3700	3700	-
cP at -15°C		-	-	-	3700
MRV Viscosity/Yield Stress	ASTM D4684				
cP at -25°C		15,800/<35	-	-	-
cP at -20°C		-	11,900/<35	15,600/<35	-
cP at -15°C		-	-	-	12,000/<35
High Temperature/High Shear (HTHS)	ASTM D4683				
Viscosity (150°C/10 ⁶ s ⁻¹) cSt		3.9	3.9	4.5	4.7
Noack Volatility	CEC				
1 hr at 250°C	L-40-T87				
Loss wt %		12.9	12.7	12.3	8.0
Flash Point, °C	ASTM D92	222	217	222	226
Pour Point, °C	ASTM D97	-29	-26	-29	-26

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.