



MADE IN HOLLAND

TECHNICAL DATA SHEET

ORPHEUS FE

FULL SYNTHETIC ENGINE OIL

Description

Orpheus FE is a full synthetic engine oil for petrol, LPG and light diesel engines with or without turbo/catalytic converter where a fuel economy oil is recommended.

Orpheus FE is developed with special additives, which provides good protection during extended drain intervals.

Orpheus FE ensures cleaner combustion, enhanced Fuel Economy (M111 test has shown over 3% of fuel saving) and low emission levels. Special additives keep the oil and engine parts free from sludge and deposits.

Orpheus FE guarantees rapid and stable lubrication, high thermal stability under Heavy-Duty conditions in a broad temperature range. The quality lubricant ensures an extended drain while causing low oil consumption.

Benefits

- Lower fuel consumption
- Very high Viscosity Index and a high resistance against shearing
- Fast cold start properties which results in less wear due to a stable lubricant film
- Great dispersant and detergent properties, which warrants a clean operation
- Very good lubrication film at very high working temperatures
- Very good Anti-Wear, anti-corrosion and anti-foam properties.

Orpheus FE 0W/20 is specially suitable for modern hybrid cars such as Toyota, Honda and Lexus.

Performance levels



- SAE 0W/20
- API SN/SN-RC
- ILSAC GF-5



- SAE 5W/20
- API SN
- ACEA A1/B1
- Ford WSS-M2C948-B



- SAE 0W/30
- API SJ/CF
- ACEA A1/B1, A5/B5
- VW 503.00/506.00/506.01
- MB 229.1 & 229.3
- BMW LL-98
- Porsche A40



- SAE 5W/30
- API SL/CF
- ACEA A1/B1, A5/B5
- Ford WSS-M2C913-D, 913-A/B/C & 912A



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Typical Properties

SAE		0W/20	5W/20	0W/30	5W/30
Density 20 °C	kg/m3	844	849	841	848
Viscosity 40 °C	cSt	43.6	42.7	54.7	53.3
Viscosity 100 °C	cSt	8.5	8.0	10.0	9.6
Viscosity CCS -35 °C	cP	<6200		<6200	
Viscosity CCS -30 °C	cP	<6600		<6600	
Viscosity Index		176	162	170	166
Pour Point	°C	-45	-36	-45	-45
Flash Point C.O.C	°C	202	206	200	205
TBN	Mg (KOH/g)	11	10	11.2	10.1
Sulphated Ash	%wt	1.26	1.25	1.5	1.09
Operating Temperature	°C	-40/150	-30/150	-40/150	-30/150