



TECHNICAL DATA SHEET

SHPD E9 10W-30

Mid SAPS heavy duty diesel engine oil

Product code: U115

Product Description:

SHPD E9 10W-30 is the very latest, new generation Super High Performance heavy duty diesel engine oil formulated to meet the latest Euro 5 low emissions requirements. This advanced lubricant utilises the latest mid SAPS additive technology which helps protect sensitive after-treatment systems found in many modern heavy duty vehicles. The optimised SAE 10W-30 viscosity grade provides significant fuel saving benefits compared with more conventional products.

Benefits:

- Reduced ash formulation protects diesel particulate filters
- Fuel saving benefits
- Offers improved wear protection and soot dispersancy compared with previous specifications
- Highly resistant to thermal breakdown
- Backwards compatible to older models
- Long drain capabilities

Application:

SHPD E9 10W-30 has a wide range of applications including original equipment manufacturers (OEMs) such as Volvo, Renault, Mercedes, Daf and MAN. It is also an ideal fuel economy choice for many buses, tractors and off-highway applications particularly where the latest low emission engines are used.

Performance Specification:

SHPD E9 10W-30 meets the requirements of:

API	CJ-4/CI-4+/CI-4, SM/CF
ACEA	E9, E7
Mercedes Benz	228.31
Cummins	CES 20081
MAN	M3575, M3275
Mack	EO-O Premium Plus
MTU	Type 2.1
Volvo	VDS-4
Renault	RLD-3
Caterpillar	ECF-3, ECF-2, ECF-1-a
JASO	DH-2, DH-1



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Typical Test Data:

Specific Gravity @ 15.5°C	0.865
Kinematic Viscosity @ 100°C	12.0 cSt
Kinematic Viscosity @ 40°C	81.5 cSt
Viscosity Index	142
Pour Point	-36 °C
Flash Point	225 °C
TBN (mg KOH/g)	10.5
Sulphated Ash (% wt)	1.0% max.

Health and Safety:

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