



TECHNICAL DATA SHEET

SHPD E9 15W-40

Mid SAPS heavy duty diesel engine oil

Product code: U102

Product Description:

SHPD E9 15W-40 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.

Benefits:

- Low ash formulation protects catalysts and particulate filters
- Offers improved wear protection and soot dispersancy compared to previous specifications
- Highly resistant to thermal breakdown
- Backwards compatible to older models
- Long drain capabilities

Application:

SHPD E9 15W-40 has a wide range of applications including original equipment manufacturers (OEMs) such as Volvo, Scania, Renault, Mercedes, Daf and MAN. It is also an ideal choice for many buses, tractors and off-highway applications particularly where the latest low emission engines are used.

Performance Specification:

SHPD E9 15W-40 meets the requirements of:

API	CJ-4/CI-4+/CI-4, SM/CF
ACEA	E9, E7
Mercedes Benz	228.31
Cummins	CES 20081
MAN	M 3575, M 3275
MTU	Type 2.1
Mack	EO-O Premium Plus
Volvo	VDS-4
Renault	RLD-3
Caterpillar	ECF-3, ECF-2, ECF-1-a
DDC	93K218
Global	DHD-1
JASO	DH-1, DH-2



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Typical Test Data:

Specific Gravity @ 15.5°C	0.878
Kinematic Viscosity @ 100°C (cSt)	14.93
Kinematic Viscosity @ 40°C (cSt)	113.7
Viscosity Index	136
Pour Point (°C)	-30
Flash Point (°C)	230
TBN (mg KOH/g)	7.83
Sulphated Ash (% weight)	1.0% max.

Health and Safety:

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