

Product Code:

7104

TS-4 SHPD

Universal truck engine oil

Meets the requirements:

SAE 15W-40 API CI-4/CH-4/CG-4/CF-4/SL
ACEA E7/A3/B4 JASO DH-1 GLOBAL DHD-1
VOLVO VDS-3 MAN M 3275 MB-Approval 228.3
MTU DDC Type 2 MACK EO-N/EO-M Plus
RENAULT RLD-2 CUMMINS CES 20076/-77/-78
CATERPILLAR ECF-2/ECF-1-a DEUTZ DQC-III
DETROIT DIESEL PGOS 93K215



MANNOL TS-4 SHPD is a special high-quality Super High Performance Diesel (SHPD) engine oil on a mineral basis for heavily loaded diesels of lorries and regular buses. Provides safe engine combustion at extreme loads and perfect protection from wear-out and corrosion. Thanks to special additives it has a low congelation temperature and provides easy cold cranking. Good detergent and dispersive properties provide perfect cleanliness and safe lubrication of the engine components.

Test	Method	Unit	Result
SAE-class			15W-40
Density at 15°C	D 1298	kg/m ³	890
Viscosity at 40°C	D 445	CSt	104,60
Viscosity at 100°C	D 445	CSt	14,26
Viscosity at -20°C	D 5293	CP	6420
Viscosity index	D 2270		138
Flash point COC	D 92	°C	226
Pour point	D 97	°C	-38
TBN	D 2896	gKOH/kg	10,44

Volume:

5L	MN7104-5	60L	MN7104-60
10L	MN7104-10	208L	MN7104-DR
20L	MN7104-20	1000L	MN7104-IBC

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