

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, 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,
GLOBAL DHD-1, DETROIT DIESEL PGOS 93K215,
DEUTZ DQC-III.

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

Product Characteristics:

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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