

Product Code:

7103

TS-3 SHPD

Universal truck engine oil

Meets the requirements:

SAE 10W-40 API CH-4/SL ACEA E3/A3/B3/B4
MB 228.3/229.1 MAN M 3275 VOLVO VDS-2
MTU DDC Type 2

Mannol TS-3 SHPD is a Super High Performance Diesel (SHPD) engine oil with the mineral basis of the highest quality for trucks' and regular buses' diesels used at extreme loads. Thanks to thoroughly selected additives provides perfect wear-out and deterioration protection at increased engine speed, high loads and at wide temperature range. Perfect low-temperature properties guarantee easy cold cranking and high pump ability. Reduces oil and fuel consumption. Provides the cleanness of the engine components during the whole operation life.

Product Characteristics:

Test	Method	Unit	Result
SAE-class			10W-40
Density at 15°C	D 1298	kg/m ³	870
Viscosity at 40°C	D 445	CSt	110,60
Viscosity at 100°C	D 445	CSt	14,42
Viscosity at -25°C	D 5293	CP	7000
Viscosity index	D 2270		133
Flash point COC	D 92	°C	226
Pour point	D 97	°C	-40
TBN	D 2896	gKOH/kg	8,26

Volume:

10L	MN7103-10	208L	MN7103-DR
20L	MN7103-20	1000L	MN7103-IBC
60L	MN7103-60		



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