

Product Code:

7103

TS-3 SHPD

Universal truck engine oil

Meets the requirements:

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

MANNOL TS-3 SHPD is a special Super High Performance Diesel engine oil with the mineral basis of highest quality for trucks and buses 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. Outstanding low-temperature properties guarantee easy cold cranking and high pump efficiency. Reduces oil and fuel consumption. Provides the cleanliness of the engine components during the whole operational life.

Product Characteristics:

Test	Method	Unit	Result
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 -15°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	gKOG/kg	8,26

Volume:

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



www.mannol.de

SCT-Vertriebs GmbH

Feldstrasse 154, 22880 Wedel/Hamburg, Germany, info@sct-germany.de, tel.: +49 (0)4103 1211 0, fax: +49 (0)4103 1211 116

MANNOL®