

Swd Rheinol Favorit MSAP

SAE 15W-40

Ultra High Performance Low Emissions Heavy-Duty Engine Oil

Description and Properties

Swd Rheinol FAVORIT MSAP 15W-40 is an ultra high performance heavy duty engine oil. It is made from semi synthetic base oils with high VI and advanced additive packages, which care for excellent dispersant and detergent properties and oxidation protection of the oil and secure the engine from wear and corrosion.

Swd Rheinol FAVORIT MSAP 15W-40 is

- recommended for four-stroke naturally aspirated, turbocharged, and supercharged diesel engines and may also be used in four-stroke gasoline engines.
- ideal for mixed commercial fleets, farm machinery, construction equipment, marine, and other off-highway applications.
- foreseen for diesel engines meeting Euro IV and Euro V emission requirements and running under severe conditions, such as extended oil drain intervals.
- recommended for engines with particulate filters, and suitable for such without DPF, and for most EGR engines, as well as most engines fitted with SCR NOx reduction systems.

Specifications / Recommendations

ACEA E9 / E7

API CJ-4 / CI-4 / CI-4 Plus / SN

MB 228.31

MAN 3275 / 3575

MTU Type 2.1

DDC 93K218

Cat ECF-3 / ECF-2 / ECF-1-a

Cummins CES 20081

JDQ-78X

Deutz DQC III-10LA

Ford WSS-M2C171-E

Approvals

Volvo VDS-4

Mack EO-O Premium Plus

Renault VI RLD-3

Typical Properties

Swd Rheinol Favorit MSAP SAE 15W-40	unit	value	method
Density at 15°C	kg/m ³	869	DIN 51 757
Viscosity at 40°C	mm ² /s	116	DIN 51 562
Viscosity at 100°C	mm ² /s	15,4	DIN 51 562
Viscosity Index		140	DIN ISO 2909
CCS at -20°C	mPa.s	4920	DIN 51 377
Pourpoint	°C	-36	DIN ISO 3016
Flashpoint	°C	234	DIN ISO 2592
TBN	mg KOH/g	9,1	DIN ISO 3771
Sulphated ash	mass. %	0,94	DIN 51 575
Sulphur	mass. %	0,40	
Phosphorus	mass. %	0,12	

Article-No. : **31005**

Specification variations in these characteristics may occur.
The instructions of manufacturer must be regarded.
Further informations to be available by MSDS.

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