

# SRS Cargolub TLS top



Premium low SAPS Engine Oil

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## Characteristics

**SRS Cargolub TLS top** is a premium low SAPS engine oil for commercial vehicles with and without diesel particle filter (DPF), EGR and SCR catalysts for NOx reduction. SRS Cargolub TLS top is characterized by its low-ash additive technology (Low **SAPS** = reduced **Sulphated Ash**, **Phosphorus** and **Sulphur**). Engine manufacturers prefer SAE 5W-30 as year-round viscosity grade which is achieved through the use of selected base oils using synthetic technology and innovative additives. SRS Cargolub TLS top enables significantly longer oil change intervals while at the same time improving engine protection. Modern low SAPS additives reduce internal friction in the engine, resulting in lower fuel economy and optimized wear protection. The economy is characterized by reduced oil consumption, reduced pollutant emissions, and lower operating costs. The improved soot bearing capacity contributes significantly to avoiding abrasive wear in the engine and best engine cleanliness.

## Application

SRS Cargolub TLS top was specially developed for the economic supply of exhaust-optimized engines, even under extreme conditions. SRS Cargolub TLS top is a year-round high-performance commercial vehicle engine oil, for Euro IV, V and VI engines and allows maximum oil change intervals. The engine oil maintains the effectiveness of the exhaust gas cleaning systems over a very long period of time. Power losses due to occupied diesel particulate filters are prevented by reduced particulate emissions. Higher efficiency is achieved. SRS Cargolub TLS top can also be used in all engines where the use of engine oils according to the Scania Low Ash specification is required. The respective manufacturer's instructions must be observed.

## Specifications

- SAE Grade 5W-30
- ACEA E7, E11
- ACEA E6, E7, E9
- API CK-4 / SN
- JASO DH-2

## Approvals

- MB-Approval 228.51
- MB-Approval 228.52
- MAN M 3677
- Volvo VDS-4.5 (STD 417-0003)
- Renault VI RLD-3
- Mack EOS-4.5
- Deutz DQC IV-18 LA
- MTU MTL 5044 Typ 3.1
- Scania LDF-4

## Recommendations

- MAN M 3477
- Deutz TTCD
- Caterpillar ECF-3
- Cummins CES 20086
- Detroit Diesel DDC 93K222
- Ford WSS-M2C213-A1
- IVECO 18-1804 TLS E6
- DAF PSQL 2.1 E LD (long drain)

SRS Cargolub TLS top is a product of the H&R ChemPharm GmbH.

Typical Data	Test Method	SRS Cargolub TLS top
SAE Grade	SAE J 300	5W-30
Density at 15°C	DIN 51 757	0.857
Dyn. Viscosity at -20°C (CCS)	DIN 51 377	5,970
Kin. Viscosity at 40°C	DIN EN ISO 3104	72.5
Kin. Viscosity at 100°C	DIN EN ISO 3104	11.9
Viscosity Index (VI)	DIN ISO 2909	160
Flash Point COC	DIN EN ISO 2592	231
Pour Point	DIN EN ISO 3016	- 45
Total Base Number	ASTM D 2896	10.2

The above values may vary within the commercial limits.

**Made in Germany**

