

# SRS Cargolub TLS plus



USHPD Low Friction Engine Oil for Commercial Vehicles

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## Characteristics

**SRS Cargolub TLS plus** is a highly additivated USHPD low friction engine oil for commercial vehicles with or without diesel particle filter (DPF).

SRS Cargolub TLS plus is characterised by an innovative, low **SAPS** additive technology (Low **SAPS** = low **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. Because of the low SAPS additive technology friction losses are reduced and lower fuel consumption by optimized wear protection is achieved. The cost effectiveness is improved notably due to lower lubricant and fuel consumption as well as longer engine endurance.

## Application

**SRS Cargolub TLS plus** is especially designed for economic use in low emission controlled engines even under extreme service conditions.

SRS Cargolub TLS plus is year-round high-performance engine oil for use in commercial vehicles adapted to the new EU emission standards for Euro V and VI engines and allows extreme oil change intervals. This engine oil maintains the effectiveness of the exhaust gas after-treatment systems for a long time. Power losses due to blocked diesel particle filter are prevented by lower particle emissions.

## Specifications

- SAE Grade 5W-30
- ACEA E6 / E7 / E9
- API CJ-4 / SN
- Jaso DH-2

## Approvals

- MB-Approval 228.31
- MB-Approval 228.51
- MAN M 3677, 3477
- MAN M 3271-1
- MTU MTL 5044 Type 3.1
- Deutz DQC IV-10 LA
- Volvo VDS-4 (STD 417-0001)
- Renault VI RLD-3 / RLD-2 / RXD / RGD
- Mack EO-O Premium Plus, EO-N Premium Plus, EO-M Plus
- Scania LDF 4
- Voith Retarder Type B

## Recommendations

- MB 235.28
- Volvo CNG
- Caterpillar ECF-3/ECF-2/ECF-1a
- Cummins CES 20081
- Detroit Diesel DDC 93K218

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

Typical Data		Test Method	SRS Cargolub TLS plus
SAE Grade		SAE J 300	5W-30
Density at 15°C	g/cm <sup>3</sup>	DIN 51 757	0.855
Dyn. Viscosity at -30°C (CCS)	mPa s	ASTM D 5293	6,170
Kin. Viscosity at 40°C	mm <sup>2</sup> /s	DIN EN ISO 3104	67.9
Kin. Viscosity at 100°C	mm <sup>2</sup> /s	DIN EN ISO 3104	11.5
Viscosity Index (VI)		DIN ISO 2909	164
Flash Point COC	°C	DIN ISO 2592	232
Pour Point	°C	DIN ISO 3016	- 48
Total Base Number	mgKOH/g	DIN ISO 3771	10.0

The above values may vary within the commercial limits.

**Made in Germany**

