

# SRS Cargolub TLS eco



## High-Performance-Low-Ash-Engine-Oil

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### Characteristics

**SRS Cargolub TLS eco** is a high-performance low-ash engine oil for modern commercial vehicle engines with diesel particle filter (DPF). By using selected base oils of the latest synthesis technology, the all-season viscosity range SAE 5W-20 preferred by many engine manufacturers is realised. SRS Cargolub TLS eco allows significantly extended oil change intervals with improved engine protection and offers a high fuel saving potential at lowest emissions.

### Applications

**SRS Cargolub TLS eco** has been specially developed for the economical supply of the latest MAN and Scania engines in accordance with MAN M 3977 and Scania LDF-5 for lower fuel consumption and is not backward compatible. The engine oil maintains the effectiveness of the aftertreatment systems over very long running times. Performance losses due to clogged diesel particulate filters are prevented by lowered particulate emissions and higher efficiency is achieved. The reduced high-temperature shear viscosity (HTHS) means that SRS Cargolub TLS eco is characterised by high fuel economy and CO<sub>2</sub> reduction without impairing engine life time.

### Specifications

- SAE Grade 5W-20

### Approvals

- Scania LDF-5
- MAN M 3977

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

| Typical Data                  |                    | Test Method      | SRS Cargolub TLS eco |
|-------------------------------|--------------------|------------------|----------------------|
| SAE Grade                     |                    | SAE J 300        | 5W-20                |
| Density at 15°C               | g/cm <sup>3</sup>  | DIN EN ISO 12185 | 0,856                |
| Dyn. Viscosity at -30°C (CCS) | mPa s              | ASTM D 5293      | 5.970                |
| Kin. Viscosity at 40°C        | mm <sup>2</sup> /s | DIN EN ISO 3104  | 45,9                 |
| Kin. Viscosity at 100°C       | mm <sup>2</sup> /s | DIN EN ISO 3104  | 8,1                  |
| Viscosity Index (VI)          |                    | DIN ISO 2909     | 148                  |
| Flash Point COC               |                    | DIN EN ISO 2592  | 242                  |
| Pour Point                    |                    | ASTM D 5950      | -39                  |
| Total Base Number             |                    | ASTM D 2896      | 13,5                 |

The above values may vary within the commercial limits.

**Made in Germany**

