



Exceptional performance at low temperatures Turbo Transmission Fluid

Voith Turbo Transmission Fluid Synth is a very high viscosity index lubricant with very high thermal and oxidative stability, formulated with selected synthetic oil base stocks and anti-oxidant, anti-rust, anti-wear and anti-foam additives.

Voith Turbo Transmission Fluid Synth thanks to its chemical and physical properties, has been designed for hydrodynamic power transmissions in high loaded hydrodynamic railway transmissions. The product is particularly characterized by the low temperature properties of less than -40°C . The efficiency of the transmission is significantly improved by the fully synthetic transmission oil.

The product provides the following properties:

- Very high viscosity index
- Very low pour point
- Very high anti-wear capacity
- Particularly increased thermal-oxidative resistance
- Extreme good air release properties
- Very good anti-foam properties
- High filterability
- Anticorrosion and anti-rust capability
- Compatibility with gaskets and ferrous and non-ferrous metals

Application fields

The synthetic lubricant is specifically designed for Voith turbo transmissions used in railcars. The product is favored when operations require extended oil changes.

Approvals

Voith 120.00059010, index 3

Chemical-physical characteristics

| Turbo Transmission Fluid Synth | Specifications CLP 32, HLP 32 | | |
|--------------------------------------|-------------------------------|--------------|-------|
| | Method analysis | Unit measure | Value |
| Density at 15°C | ASTM D1298 | kg/l | 0,841 |
| Kinematic viscosity at 40°C | ASTM D445 | cSt | 29,8 |
| Kinematic viscosity at 100°C | ASTM D445 | cSt | 5,67 |
| Viscosity index | ASTM D2270 | - | 133 |
| Air release properties at 50°C | ASTM D3427 | Minutes | 1 |
| FZG failure load stage (AI 8, 3/ 90) | ASTM D5182 | Stage | > 12 |
| Flash point (C.O.C.) | ASTM D92 | ° C | 245 |
| Pour point | ASTM D97 | ° C | <- 60 |

The data above refers to average values and should not be regarded as guaranteed characteristics.

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