



Textran® WBT

High performance synthetic wet brake transaxle fluid

Product description

Textran WBT is a high performance synthetic wet brake transaxle fluid designed for applications where a Volvo WB 102 fluid is required. Textran WBT is formulated with a high performance synthetic base fluid, in combination with a specially optimised additive system.

Customer benefits

- Offers good extended drain intervals compared to conventional wet brake transaxle fluids
- High performance shear stable additive system promotes increased gear protection with viscosity retention throughout fluid lifetime
- Formulated for low-temperature fluidity, providing faster cold starts and optimised viscosity, offering improved fuel economy
- High Viscosity Index, promoting sufficient oil viscosity retention for effective lubrication even at high operating temperatures
- Good oxidation stability, helping resist the formation of harmful sludge, lacquer or deposits

Product highlights

- **Offers extended drain intervals**
- **Promotes increased gear protection**
- **Formulated for faster cold starts**
- **Designed for improved fuel economy**
- **Helps resist sludge, lacquer or deposits**

Selected specification standards include:

API

Volvo

Applications

- Textran WBT is designed for use in the axles of off-road and construction machines that are equipped with built-in wet brakes. The amount of EP additive used in the formulation of Textran WBT is higher than is typically used in products of this type, providing increased gear protection
- The oxidation stability of the synthetic base oils in the formulation means that compared to conventional fluids, Textran WBT offers significantly longer service intervals; and its temperature resistance means that it may be used in more arduous operating conditions
- The low temperature characteristics of Textran WBT offer a significant reduction in the warm-up period before the machine is ready to operate
- Textran WBT has a lower kinematic viscosity than is typical for fluids used in this type of application - it has been optimised to help improve machine efficiency while still providing protection to machine components. The high Viscosity Index means that the fluid has a wide operating temperature window. It is achieved by a formulating the product with synthetic base oils with a naturally high VI, plus a highly shear stable Viscosity Index Improver. This combination promotes the maintenance of the viscosity and VI at a consistent level through the fluid's service lifetime

Approvals, performance and recommendations

Performance

- Volvo 97304 (WB 102)

Recommendations

- API GL-4 ^[1]

^[1] Under low speed-high torque conditions. Not recommended for on-highway application

Typical test data

Test	Test Methods	Results
Shelf Life: 60 months from date of filling indicated on the product label.		
Viscosity, Kinematic, 100°C, mm ² /s	ASTM D445	7.8
Viscosity, Kinematic, 40°C, mm ² /s	ASTM D445	41
Viscosity, Brookfield, -40°C, mPa.s	ASTM D2983	30,000
Viscosity Index	ASTM D2270	166
Density, 15°C, kg/l	ASTM D1298	0.851
Flash Point COC, °C	ASTM D92	240
Pour Point, °C	ASTM D97	-45

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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