



Delo[®] Syn-THF XC

High performance synthetic wet brake transaxle fluid

Product description

Delo Syn-THF XC is a high performance synthetic wet brake transaxle fluid designed for applications where a Volvo WB 102 fluid is required. It is also suitable for use in applications that require a John Deere JDM J20C or J20D fluid.

Delo Syn-THF XC 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	John Deere
Volvo	

Applications

- Delo Syn-THF XC 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 Delo Syn-THF XC 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, Delo Syn-THF XC 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 Delo Syn-THF XC offer a significant reduction in the warm-up period before the machine is ready to operate
- Delo Syn-THF XC 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

Approvals

- Volvo Transmission oil 97304 (WB 102) ^[1]

Recommendations

- API GL-4 ^[2]
- John Deere JDM J20C
- John Deere JDM J20D

^[1] Volvo approval number: 97304-006

^[2] 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.		
Colour (visual)	SM 041	Yellow
Viscosity, Kinematic, 100°C, mm ² /s	ASTM D445	7.5
Viscosity, Kinematic, 40°C, mm ² /s	ASTM D445	38.5
Viscosity, Brookfield, -40°C, mPa.s	ASTM D2983	16,200
Viscosity Index	ASTM D2270	167
Density, 15°C, kg/l	ASTM D1298	0.857
Flash Point COC, °C	ASTM D92	226
Pour Point, °C	ASTM D5950	-48

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).

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