



ZF EcoFluid X SAE 80W-90

Product description:

The first fill and service fill oil ZF EcoFluid X SAE 80W-90 is a high-performance lubricant for ZF bus and truck axles. It combines a high level of temperature resistance with high gear and bearing protection.

Application:

- **ZF EcoFluid X SAE 80W-90** is an axle drive oil for all ZF bus and truck axles.
- **ZF EcoFluid X SAE 80W-90** is specially recommended for bus and truck axles which are exposed to increased loading conditions and high temperatures.
- **ZF EcoFluid X SAE 80W-90** meets the requirements of the list of lubricants TE-ML 12, lubricant class 12L and 12M and allows extended oil change intervals.
- **ZF EcoFluid X SAE 80W-90** additionally fulfills the requirements of the ZF lubricants classes 02B, 05A, 16B, 17H, 19B, 21A.
- **ZF EcoFluid X SAE 80W-90** small container (up to 20 l) must be shaken vigorously for at least 15 s before removing the oil. Before removing oil, large container (more than 20 l) must be mixed with a suitable and clean stirrer (min. 1500 1 / min) for at least 60 min at room temperature.

This list of lubricants can be viewed on the internet (www.aftermarket.zf.com).

Advantages:

<ul style="list-style-type: none">– Less downtimes– Reduced service costs	By extended oil change intervals due to high temperature resistance and oxidation stability.
<ul style="list-style-type: none">– High reliability– Long axle lifetime	By excellent wear protection due to a high shear stability and highly effective additives.
<ul style="list-style-type: none">– Environmentally friendly	By long oil change intervals and easy waste-oil disposal.



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Product characteristics:

Product no.		
Canister	20 l	0681.000.412
Barrel	205 l	0681.000.411
Container	1000 l	0681.000.410
Characteristics (typical values)		
Density at 15 °C	kg/m ³	898
Viscosity at 40 °C	mm ² /s	142
Viscosity at 100 °C	mm ² /s	15.6
Brookfield viscosity at -26°C	mPa s	120000
Pour point	°C	-30
Flash point (COC)	°C	200
Shear stability Viscosity at 100 °C after 100 hrs (Tapered roller bearing shear test)	mm ² /s	14.2
Scuffing resistance FZG A/8.3/90 FZG S-A10/16.6R/90	fail load stage	>12 >10