



BVX Z 1000 – SAE 75W-80

High performance synthetic oil for transmissions

USES

For manual or automatic mechanical transmissions, with or without interarder (including ZF gearboxes with **carbon synchromesh**), where a synthetic SAE 75W-80 grade oil which meets one of the specifications below is required by the manufacturer.

BVX Z 1000 75W-80 is particularly recommended for long oil change intervals (up to 360,000km / 2 years), depending on OEM recommendation and service conditions.

Approvals: ZF TE-ML-01L/02L (exceeds and replaces ZF TE-ML 02D fluid); ZF TE-ML 16K (transmissions for railway use) ; Man 341 Typ Z-4

Specifications: API GL4 ; Eaton Europe (300,000 km) ZF TE-ML-08/13/24A ; Daf, Iveco (ZF TE-ML-01L/02D/02L) Renault Trucks / Volvo (ZF or Volvo transmissions in accordance with TE-ML-01L/02D/02L or Volvo 97307/97305)

MAIN PHYSICAL DATA

		Methods	Units	75W-80
Density at	20°C	ASTM D4052	kg/m ³	853
Kinematic viscosity at	40°C	ASTM D445	mm ² /s	59
Kinematic viscosity at	100°C	ASTM D445	mm ² /s	10
Viscosity index		ASTM D2270		157
Pour point		ASTM D97	°C	-45
Cleveland Open Cup Flash Point		ASTM D92	°C	218
Brookfield viscosity at	-40°C	ASTM D2983	mPa·s	80 000

The data given in this table represents typical production values and should not be taken as specifications.

PROPERTIES & ADVANTAGES

- ▶ Particularly stable viscosity in service (synthetic oil, excellent resistance to shearing and heavy loads).
- ▶ Very good extreme-pressure and anti-wear properties to protect the gears under severe service conditions.
- ▶ Proven performance with different types of synchromesh, including carbon and molybdenum. Successfully tested with ZF carbon synchromesh.
- ▶ Helps to protect the environment by reducing fuel consumption and pollutant emissions (CO₂, etc.).
- ▶ Excellent anti-foam function and very good filterability for effective lubrication under all conditions.
- ▶ Very good compatibility with elastomers.



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