



APPLICATIONS

Eni Rotra HY DB 80W is a lubricant for transmissions with E.P. (Extreme Pressure) characteristics for use in transmission groups, in particular in manual and differential transmissions including integrated transmission, end gear reducers and power take-off gears for agricultural and earthmoving machines except for applications for which the manufacturer requires an API GL-5 oil level.

CUSTOMER ADVANTAGES

- The presence of special EP (extreme pressures) additives allows the product to ensure the lubricating film resistance on the surface of gears and bearings even when specific high loads are applied.
- The correct balancing of the anti-wear and greasing characteristics ensures the best operation of synchronizers that maintain their effectiveness even in severe operating conditions such as driving in city traffic that forces frequent gear changes.
- The particular oxidation stability avoids oil deterioration in parts operating at high temperature and effectively counteracts the tendency to increase viscosity and sludge formation.
- It is not corrosive to steel and therefore contributes in keeping the lubricated parts in efficient conditions.
- Its strong anti-rust properties prevent rusting of gears even in the presence of moisture.
- The anti-foaming power eliminates the negative consequences that excessive formation of foam would cause with regard to the continuity of the lubricant film.

SPECIFICATIONS - APPROVALS

- ZF TE-ML 2B, 17A
- API GL-4
- M.B. 235.1





CHARACTERISTICS

Properties	Method	Unit	Typical
Density at 15°C	ASTM D 4052	kg/m ³	900
Viscosity at 100°C	ASTM D 445	mm ² /s	9.7
Viscosity at 40°C	ASTM D 445	mm ² /s	102
Viscosity at -26°C	ASTM D 2983	mPa·s	120000
Viscosity Index	ASTM D 2270	-	100
Flash point (COC)	ASTM D 92	°C	210
Pour point	ASTM D 97	°C	-30

