



G-Box AWD HLDX



Synthetic oil



Multi-disc friction clutches



Protection of parts against wear and tear



Antioxidation stability



Low temperature properties



Antivibration properties



Corrosion protection

G-Box AWD HLDX – synthetic gear oil designed for use in Haldex (BorgWarner) multi-disc friction clutches. Due to the use of synthetic base, the oil has excellent resistance to oxidation and deposit formation, suitable for operation in a wide range of temperatures. The oil provides optimal friction properties, thermal-oxidative stability and pumpability for reliable operation of the package of the friction clutches, pump, bushings and other parts of the unit throughout the entire oil change interval.

Application



- For vehicles with automatic four-wheel drive equipped with Haldex multi-disc friction clutches
- Passenger cars, SUVs and light commercial vehicles Volkswagen AG, Volvo, Geely, BMW, Ford, Land Rover, etc.
- Not intended for use in hydromechanical automatic transmissions (ATF), variators (CVT), semi-automatic transmissions (DCT/DSG) and power steering units
- Recommended fluid change interval - less than 60000 km

Advantages

G-Box AWD HLDX based on synthetic components using a special composition of additives allows to ensure high efficiency and performance of friction clutches.

The methodology of research and evaluation of tribological properties of oil was developed jointly with the Federal State Budgetary Institution of Science Ishlinsky Institute for Problems of Mechanics of the Russian Academy of Sciences (IMPech RAS).

Characteristics	Advantages/Potential Benefits
Advanced protection against wear and tear	Reducing parts wear rate - maximizing the service life of friction clutches
High thermo-oxidative stability	Minimize acid and deposit formation in the system - reducing the risk of friction clutch failures
Optimum friction characteristics	Ensures smooth engagement of the friction package, absence of vibration (anti-shudder) and stick-slip vibration - correct functioning, comfortable operation
Excellent viscosity-temperature characteristics	Optimum viscosity over a wide temperature range - reliable operation of units in harsh climatic conditions
Excellent pumpability at low temperatures	Timely flow of oil to the friction package and clutch parts during cold running - quick return to operating viscosity characteristics

Standart physico-chemical characteristics

Indicators	Value	Method
Kinematic viscosity, mm ² /s at 40 °C at 100 °C	31,4 6,25	ASTM D 455 ASTM D 455
Viscosity index	150	ASTM D 92
Flash point, COC (Cleveland Open Cup Flash Tester), °C	228	ASTM D 92
Pour point, °C	-57	ASTM D 97
Dynamic viscosity at -40 °C, mPa·s	7215	ASTM D 2983
Density at 15 °C, kg/m ³	834	ASTM D 1298

Applies where required:

- VW G 065 175 A2/ G 060 175 A2
- VW G 055 175 A2
- BMW 83 22 2 413 513
- HALBOT 311/ 2007437
- Volvo 32240904
- Volvo 31367940
- Geely 9020507000

The company's management system is certified in accordance with the international standards

ISO 9001



ISO 14001



ISO 45001

