



ATLANTIC TRANS HD

Commercial Automotive Transmission Oil

PRODUCT DATA

DESCRIPTION

ATLANTIC TRANS HD Oils are extra high performance transmission and drive-train lubricants engineered to meet the rigorous specifications required by Caterpillar TO-4. This product line is uniquely designed to optimize the performance of power shift transmissions, gearboxes and final drives. In hydraulic applications, they provide maximum protection even in high-pressure systems. This technology combines selected base oils and an advanced additive system to deliver the precise performance parameters needed to maximize the productivity of construction, quarrying and mining equipment operating in severe conditions. These products offer a clear performance advantage over the use of mixed fleet engine oils and previously used lubricants meeting Caterpillar TO-2.

DESCRIPTION

ATLANTIC TRANS HD Oils are recommended for the following most demanding transmissions;

- Heavy duty transmissions, gear boxes, final drives and hydraulic systems used in off-highway applications
- Off-highway industries including: mining, construction, quarrying, and agriculture
- Manual, powershift and automatic transmissions where Allison C-4 fluids (SAE 10W and 30 grades) are called for including Twin Disc and transmissions calling for Type F fluids
- Suitable for most mobile equipment hydraulic applications

PROPERTIES

ATLANTIC TRANS HD are formulated to provide outstanding oxidation stability, elastomer compatibility, corrosion and rust control and maximum protection against foaming. The SAE 10W grade has very good low temperature pumpability and a low pour point.

PRODUCT BENEFITS

- Optimized clutch-friction retention and slippage control
- Significantly improved clutch life compared to the best API CD / Cat TO-2 engine oils
- Top performance in wet brakes, excellent control of brake chatter
- Excellent pitting control
- Excellent foam control protection
- Excellent thermal and oxidation stability
- Greatly improved control of gear wear in transmissions, gear boxes and drive trains
- Excellent hydraulic oil stability and protection against high pressure pump wear
- Outstanding FZG load-carrying capability and FZG gear wear protection
- Very good low temperature pumpability
- Balanced static and dynamic friction coefficients

RECOMMENDATIONS / SPECIFICATIONS

Caterpillar TO-4, ZF TE-ML-03, Vickers 35 VQ 25 pump test, Allison C-4(HD 10W & HD 30)

| TYPICAL TECHNICAL PROPERTIES | | | | |
|--|---------|---------|---------|---------|
| SAE Grade | 10W | 30 | 50 | 60 |
| Product code | 12764GO | 12765GO | 12766GO | 12767GO |
| Density at 15°C, g/ml, ASTM D4052 | 0.873 | 0.897 | 0.905 | 0.915 |
| ISO Viscosity Grade | 32 | 100 | 220 | 320 |
| Kinematic Viscosity at 40 °C, mm ² /s, ASTM D445 | 39 | 100 | 195 | 340 |
| Kinematic Viscosity at 100 °C, mm ² /s, ASTM D445 | 6.9 | 11.6 | 18.3 | 25.2 |
| Viscosity Index, ASTM D2270 | 97 | 96 | 96 | 96 |
| Flash Point(COC), °C, ASTM D92 | 202 | 224 | 240 | 254 |
| Pour Point, °C, ASTM D97 | -36 | -15 | -15 | -15 |

Note: These characteristics are typical of current production. While future production will conform to Atlantic's specification, variations in these characteristics may occur.



Packing : 1 | 4 | 5 | 20 | 25 | 200 | 208 L

ATL/PDS/GO/022/0*, 10.08.15, Page 1/1
* supersedes all previous versions

Health and Safety: This lubricant, when used in accordance with our recommendations and for the application for which it is intended, does not constitute any special hazard. A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant.