



PRODUCT DATA SHEET

ATLANTIC BIODEGRADABLE HYDRAULIC FLUIDS

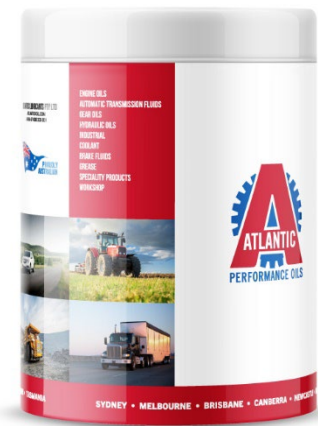
Product Description:

Atlantic Biodegradable Hydraulic Fluids do not contain mineral lubricating oils; they are based on high quality vegetable oil esters, which in comparison with mineral oil based lubricants are more easily biodegraded, less hazardous and more suitable for use in environmentally sensitive areas. They are much less likely to cause any harm to soil, waterways or other parts of the environment. These hydraulic fluids were developed to meet and exceed the current requirements of the agricultural, forestry, heavy commercial, construction and marine industries.

Atlantic Biodegradable Hydraulic Fluids are available in ISO 46 and 68 viscosity grades.

Features and Benefits:

- Specially formulated for use in environmentally sensitive areas.
- Easily biodegraded
- Contains no mineral oils or petroleum derived hydrocarbon solvents
- Low toxicity
- High Viscosity Index
- Protects against rust and corrosion
- Excellent wear protection in hydraulic systems and gearboxes.
- High film strength and adherence to working surfaces
- Excellent lubricity



Typical Data:

| Test Description | Method | Units | Results | Results |
|-----------------------------|-------------|-------|---------------------|---------|
| ISO Viscosity Grade | - | - | 46 | 68 |
| Density @ 20°C | ASTM D 4052 | kg/L | 0.92 | 0.93 |
| Viscosity, Kinematic @ 40°C | ASTM D 445 | cSt | 46 | 68 |
| Viscosity, Kinematic @100°C | ASTM D 445 | cSt | 9.9 | 13.2 |
| Viscosity Index | ASTM D 2270 | - | 210 | 200 |
| Pour Point | ASTM D 97 | °C | -15 | -15 |
| Flash Point | | °C | >150 | >150 |
| Appearance | Visual | - | Clear Yellow/ Amber | |

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| PACK SIZE | BIO HYDRAULIC FLUID 46 PRODUCT CODE | BIO HYDRAULIC FLUID 68 PRODUCT CODE |
|------------|--|--|
| 20 Litre | HBI46002 | HBI68002 |
| 205 Litre | HBI46004 | HBI68004 |
| 1000 Litre | HBI46005 | HBI68005 |

Specifications/ Performance Levels:

Meets the requirements of ISO 15380:2002
Classified under ISO 6743-4 as Type HETG

Note:

We suggest that the equipment manufacturers' recommendations for viscosity grade, performance requirements and general operating conditions should be checked prior to use. Atlantic Biodegradable Hydraulic Fluids are fully miscible and compatible with mineral oils therefore changing to Atlantic Biodegradable Hydraulic Fluid is simple as no prior system flushing is required. Atlantic Biodegradable Hydraulic Fluids contain ester components which may be incompatible with certain elastomers used as seals, hoses or other components. Prior to full scale commercial use it is recommended that compatibility with system components is determined by the user.



All recommendations for the use of our products, whether given by us in writing, verbally, or to be implied from the results of tests carried out by us, are based on the current state of our knowledge. Notwithstanding any such recommendations the Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility, therefore. The Buyer shall ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with and subject to our general conditions of supply.

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