



PRODUCT DATA SHEET

Atlantic® Biodegradable Hydraulic Fluid ISO 46

High quality Vegetable Oil Ester based lubricants designed to meet the requirements of ISO 15380:2002. Classified under ISO 6743-4 as Type HETG.

Available as viscosity grades ISO 32, 46, 68, 100 & 150.

Mineral Oil Free

Compared with mineral oil based lubricants:

- Safer for users and the environment
- More easily biodegradable
- Lower toxicity – free from heavy metals

Enhanced performance characteristics

- Less change in viscosity as operating temperatures increase due to higher viscosity index
- Higher lubricity gives lower equipment operating temperatures

Biodegradable according to OECD 301B

COMPOSITION: Atlantic® Biodegradable Hydraulic Fluid ISO 46 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.

CHEMICAL COMPOSITION: Formulated blend containing vegetable oil based esters and a high performance additives package.

DESCRIPTION: Atlantic® Biodegradable Hydraulic Fluid ISO 46 are available in five viscosity grades; ISO 32, 46, 68, 100 & 150 which display excellent viscosity - temperature characteristics due to the high inherent viscosity index of vegetable oil esters.

APPLICATION: These hydraulic fluids were developed to meet and exceed the current requirements of the agricultural, forestry, heavy engineering, construction and marine equipment industries.

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 Fluid ISO 46 is fully miscible and compatible with mineral oils therefore changing to Atlantic® Biodegradable Hydraulic Fluid ISO 46 is simple as no prior system flushing is required.

Atlantic® Biodegradable Hydraulic Fluid ISO 46 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. For further advice contact your local reseller or supplier. Avoid contamination with water. Where possible drying equipment should be used and water drained after any shutdown period.

Product code: HBI4600

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.

Copyright © 2016 Atlantic Lubricants Pty Ltd. All rights reserved

Atlantic Lubricants Pty Ltd (ABN 67 088 335 059)

Atlantic Oils - SYDNEY 40 Liverpool Street Ingleburn NSW 2565 Ph: (02) 9829 7555 Fax: (02) 9829 4555	Atlantic Oils - QLD P.O. Box 1250 Slacks Creek QLD 4127 M: 0402 644 575	Atlantic Oils - VICTORIA 6A Nicholas Drive Dandenong South 3175 Ph: (03) 9768 3307 Fax: (03) 9768 2832	Atlantic Oils - NEWCASTLE 31 Old Punt Road Tomago NSW 2322 Ph: (02) 4964 8436	Atlantic Oils - DARWIN Unit 1A 894 Stuart Highway Pinelands NT 0829 M: 0477 200 567	Atlantic Oils - A.C.T. P.O. Box 733 Gungahlin ACT 2912 M: 0411 094 945	Atlantic Oils - Tasmania 42 - 44 Devonport Road Quoiba 7310 Ph: (03) 6423 4900 Fax: (03) 6423 4800
---	--	---	---	--	---	---



PRODUCT DATA SHEET

SUGGESTIONS FOR USE:

Atlantic® Biodegradable Hydraulic Fluid ISO 46 can be used in mobile or stationary equipment such as forklifts, cranes, tractors, graders, bulldozers, hoists, marine equipment, mining equipment, ski lifts etc. and is particularly suited to use in environmentally sensitive areas such as:

- National or State parks
- Near or on waterways
- Recreational areas
- Road, rail and tramways
- Local Government Maintenance Vehicles
- Water, Electricity, Telecommunication and Gas
- Service providers etc.

ATTRIBUTES:

- Specially formulated for use in environmentally sensitive areas – easily biodegraded
- Contains no mineral oils or petroleum derived hydrocarbon solvents.
- Low toxicity ensures lower risk to personnel.
- Protects against rust and corrosion.
- Excellent wear protection in hydraulic systems and gearboxes.
- Less change in viscosity as operating temperature increases due to higher viscosity index.
- High film strength and adherence to working surfaces, promotes excellent lubricity.
- Very good bulk fluid operational temperature range of -10°C to +65°C.

PRODUCT TECHNICAL CHARACTERISTICS

Appearance	Odour	Flash Point Deg C	Pour Point Deg C	VI (min)	Viscosity cST 40 Deg C	Viscosity cST 100 Deg C
Clear yellow liquid	Bland fatty	>150	-15	210	46	9.9

Health and Safety

The product should not be used for purposes other than its intended use. Refer the recommendations provided on the Material Safety Data Sheets (MSDS).

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.

Copyright © 2016 Atlantic Lubricants Pty Ltd. All rights reserved

Atlantic Lubricants Pty Ltd (ABN 67 088 335 059)

Atlantic Oils - SYDNEY
40 Liverpool Street
Ingleburn NSW 2565
Ph: (02) 9829 7555
Fax: (02) 9829 4555

Atlantic Oils - QLD
P.O. Box 1250
Slacks Creek
QLD 4127
M: 0402 644 575

Atlantic Oils - VICTORIA
6A Nicholas Drive
Dandenong South 3175
Ph: (03) 9768 3307
Fax: (03) 9768 2832

Atlantic Oils - NEWCASTLE
31 Old Punt Road
Tomago NSW 2322
Ph: (02) 4964 8436

Atlantic Oils - DARWIN
Unit 1A
894 Stuart Highway
Pinelands NT 0829
M: 0477 200 567

Atlantic Oils - A.C.T.
P.O. Box 733
Gungahlin
ACT 2912
M: 0411 094 945

Atlantic Oils - Tasmania
42 - 44 Devonport Road
Quoiba 7310
Ph: (03) 6423 4900
Fax: (03) 6423 4800