



Advantage Hydraulic Oils 32, 46, 68

High Performance Premium Hydraulic Oils

Description

Advantage Hydraulic OILS: 32, 46, 68, are formulated from a high quality neutral oil base and specially chosen additives to give excellent anti-wear performance.

In the high pressure, high temperature Vickers pump test the wear results obtained indicate that these oils have excellent anti-wear properties and therefore the ability to significantly reduce pump wear.

Features & Benefits

Advantage Hydraulic Oils provide the following benefits:

- Rust protection superior or equivalent to the best premium quality conventional hydraulic oil.
- Good water separation.
- Excellent oxidation resistance.

Applications

Advantage Hydraulic Oils will give excellent hydraulic performance for:

- All types of machine tools
- Hydraulically actuated control equipment
- Lift and handling trucks
- Loaders and unloaders
- Hydraulic units in steel and metal plants
- Other general purpose hydraulic equipment

As hydraulic equipment comes on the market that is more compact, using high performance pumps such as vane pumps, the need for oil containing anti-wear and rust oxidation inhibitors is even greater.

Typical Physical and Chemical Properties

| PRODUCT | 32 | 42 | 68 |
|---|----------------------------|----------------------------|----------------------------|
| Viscosity cSt @ 40°C (ASTM D445) @ 100°C (ASTM D445) | 32.1 5.1 | 46.2 6.6 | 68.3 8.5 |
| Viscosity Index | 97 | 95 | 95 |
| Density @ 15°C kg/L (ASTM D1298) | 0.878 | 0.880 | 0.885 |
| Turbine Oil Oxidation (ASTM D943) (Hours to reach 2.0 mgms A.V) Procedure A - Distilled Water Procedure B - Salt Water | 2500 No rust No rust | 2500 No rust No rust | 2500 No rust No rust |
| Copper Corrosion (ASTM D130) (3 hours @ 100°C) | 1a | 1a | 1a |
| Flash Point °C | >200 | >200 | >200 |

Recommended Usage

Use **Advantage Hydraulic Oils** as is. Do not dilute. **Advantage Hydraulic Oils** can be used in hydraulic systems that have silver bearing.

Usage, Storage and Disposal

Usage

Before using **Advantage Hydraulic Oils** please ensure that all safety requirements as set out on the Material Safety Data Sheet are observed and adhered to, if ever in doubt please contact your sales representative who will be happy to help by addressing any concerns or questions.

Storage

Store according to instructions given on Material Safety Data Sheets.

Disposal

Use an accredited Trade Waste Disposal Company, which complies with all the local environmental laws and regulations when disposing of any waste product.

Health and Safety

Refer to Material Safety Data Sheet for the proper handling, use and disposal of this product. Product

MSDS can be found at www.mapal.com.au for additional information contact MAPAL Australia on 1300 825 267.

Product Shelf Life

Under normal conditions the recommended shelf life for **Advantage Hydraulic Oils** is a minimum of Twelve (12) months, unless otherwise specified.

Availability and Shipping Classification

Advantage Hydraulic Oils are available in 205 litre drums. Other sizes may be available upon request, please contact your sales representative.

Transportation of **Advantage Hydraulic Oils** should be done in accordance to the Material Safety Data sheets, local laws and regulations. It is highly recommended that an accredited transportation company should always be used.

Warranty

The information given here is considered to be correct and is offered for your consideration, investigation and verification. No warranties are expressed or implied, since the use of our products is beyond our control.

Advantage Hydraulic Oils, 32, 46, 68, are made in Australia



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