

# Hydraulic Oil AW

## Anti-Wear Hydraulic Fluid



### Product description

Hydraulic Oil AW is an anti-wear hydraulic fluid, specifically designed for use in mobile and stationary high pressure hydraulic systems.

### Customer benefits and product features

#### Customer benefits

##### Provides wear protection

Effective anti-wear additive package helps reduce wear by protecting surfaces when load causes breakdown of the lubricant film.

##### Resists degradation

Rust and oxidation inhibitor system helps to prevent the production of abrasive particles from rust formation, and deposits, varnishes and sludges from oil breakdown, which can damage equipment surfaces and seals, and block filters prematurely.

##### Good performance

Good hydrolytic stability and water separation characteristics provide good filterability in the presence of water contamination. Good anti-foam and air release properties help to ensure smooth operation and system efficiency.

##### An economical option

Hydraulic Oil AW is designed for systems that have high usage rates due to leaks, seal failure or hose breakage where the lubricant is not required to demonstrate extended drain intervals. If the equipment is in a demanding application at elevated temperatures, with extended drain intervals or where full equipment manufacturer approvals are required, then we suggest considering whether Rando<sup>®</sup>HD is more appropriate.

### Applications

- Industrial hydraulic systems
- Hydraulics of mobile and construction equipment where a water separating oil is required
- Hydraulic systems with vane, gear or piston pumps
- Plastic injection molding machines
- Machine tools
- Enclosed gear systems (dependant on load)
- Industrial circulating systems

### Product approvals, performance, and recommendations

N/A

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## Typical test data

| Hydraulic Oil AW                        |               |               |               |               |
|---|---------------|---------------|---------------|---------------|
| <b>ISO Grade</b>                        | <b>32</b>     | <b>46</b>     | <b>68</b>     | <b>100</b>    |
| <b>Product Code</b>                     | <b>520310</b> | <b>520311</b> | <b>520312</b> | <b>520313</b> |
| Flash Point, °C (typical)               | 200           | 220           | 240           | 250           |
| Pour Point, °C (typical)                | -21           | -21           | -21           | -18           |
| Rust Preventing Characteristics (D665B) | Pass          | Pass          | Pass          | Pass          |
| Viscosity (typical),                    |               |               |               |               |
| mm <sup>2</sup> /s @ 40°C               | 31            | 44            | 65            | 99            |
| mm <sup>2</sup> /s @ 100°C              | 5.4           | 6.7           | 8.7           | 11.2          |
| Viscosity Index (min)                   | 95            | 95            | 95            | 95            |

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ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.

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