



# Hydraulic Oil AW

## Anti-Wear Hydraulic Fluid

Product Data Sheet

### Customer benefits

#### **Provides wear protection**

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

#### **Resists degradation**

Effective 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 please refer to Rando®HD.

### 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 features:

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

## Typical key properties

HYDRAULIC OIL AW				
ISO Grade	32	46	68	100
Product Code	520310	520311	520312	520313
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: [www.chevronlubricants.com](http://www.chevronlubricants.com).

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by:  
**Chevron Lubricants**  
 – Asia Pacific