



## Product Description

Hydraulic Oil AW is an efficient performance hydraulic oil formulated with solvent refined mineral oil and an additive package designed for multipurpose use across a wide range of light to moderately loaded hydraulic system applications where a maximum of DIN 51 524 – 2 (HLP) performance is required.

## Features and Benefits

The key benefits of Carcal Anti-Wear Hydraulic Oil ISO VG-68 include:

- Zinc-based anti-wear additives promote efficient component protection and equipment uptime
- Oxidation inhibitors help reduce system deposit formation, extend filter lifetime and increase oil service life
- Anti-corrosion additives offer system protection and reduced maintenance downtime
- Efficient foam suppression aids consistent system responsiveness, sensitivity and protection

## Applications

- Recommended for use as a multipurpose light to medium duty hydraulic fluid where a maximum of DIN 51 524-2(HLP) performance is required

## Specifications and Approvals

Carcal Anti-Wear Hydraulic Oil ISO VG-68 is recommended by Atom Chemicals UK for use in applications requiring:

- DIN 51 524 Part 2 (HLP) • ISO 6743 Part 4 (LHM)

## Typical Properties

| Anti-Wear Hydraulic Oil ISO VG-68 | Method               | Unit               |                  |
|-----------------------------------|----------------------|--------------------|------------------|
| <b>Viscosity Grade</b>            |                      |                    | <b>ISO VG-68</b> |
| Viscosity @ 40°C                  | ISO 3104/ASTM D445   | mm <sup>2</sup> /s | 68               |
| Viscosity @ 100°C                 | ISO 3104/ASTM D445   | mm <sup>2</sup> /s | 8.6              |
| Density @ 15°C , kg/l             | ISO 12185/ASTM D4052 | g/ml               | 0.886            |
| Viscosity Index                   | ISO 2909/ASTM D2270  | -                  | 95               |
| Flash Point                       | ISO 2592/ASTM D92    | °C                 | 234              |
| Pour Point                        | ISO 3016/ASTM D97    | °C                 | -25              |
| TAN, mg KOH/g                     | ASTM D664            | mg KOH/g           | 0.40             |
| Copper Corrosion, 3h/100°C        | ASTM D130            |                    | 1A               |