



## Champion<sup>®</sup> Hydraulik AW Oils

### General Purpose Cost Effective Hydraulic Oils

**Champion<sup>®</sup> Hydraulik AW Oils** are cost effective anti-wear hydraulic oils manufactured from good quality base stocks. They will provide satisfactory performance in virtually all vane, piston, and gear pumps where anti-wear<sup>1</sup> performance is required. Champion Hydraulik AW Oil is available in ISO VG 32 and 68 grades.

**Champion<sup>®</sup> Hydraulik AW Oils** may be used in circulating systems for lubrication of bearings and gears where rust and oxidation (R&O) inhibited oils are required.

**Performance Benefits**

- **Cost effective performance** - blended from good quality base stocks and additive package to provide satisfactory performance

in most industrial plant and mobile hydraulic applications where superior performance fluids<sup>2</sup> are not required.

- **Wear protection** – meets the anti-wear requirements for virtually all vane pumps and will provide satisfactory service in most piston and gear pumps.
- **Good Oil Life** – will provide satisfactory performance, under normal operating conditions, in most applications due to the features of the oxidation inhibitors used in the additive package.
- **Anti-rust performance** – will provide satisfactory rust and corrosion resistance in hydraulic pumps, control valves, pistons and cylinders.

**Typical Properties**

Property	Champion <sup>®</sup> Hydraulik AW Oils	
	32	68
ISO VG Grade	<b>32</b>	<b>68</b>
Density @ 15°C, kg/L	0.870	0.881
Colour, max	4	7
Pour Point, °C	-42	-36
Viscosity		
- cSt @ 40 °C	33.2	68.0
- cSt @ 100 °C	5.9	9.9
Viscosity Index	121	128
Copper Strip Corrosion 3 hr @ 100 °C, max	Pass	Pass
Rust Test – 24 hrs. Distilled Water	Pass	Pass

The values quoted are typical of normal production and do not constitute a specification.

Due to continuing research and development, the information contained herein is subject to change without notification.

Champion<sup>®</sup> - registered trademark of Ultramar Ltd.

<sup>1</sup> There are a few hydraulic pumps utilizing silver and silver plated parts, which require the use of a non-zinc additive type of hydraulic oil.

<sup>2</sup> For state of the art hydraulic performance, the proper grade of Ultra Hydraulik AW or HVI oils are Ultramar's "no compromise" recommendations. Consult manufacturer's equipment manual for specific recommendations.