

# SUPERDRAULIC® HI TEMP

HIGH VISCOSITY INDEX ANTI WEAR HYDRAULIC OIL 46, 68, 100

## DESCRIPTION

Superdraulic® Hi Temp is a range of premium grade, high viscosity index, anti-wear hydraulic oils. They have been formulated specifically for use in hydraulic power or control systems (mobile or stationary) that are subject to extremes of temperature, or are particularly sensitive to changes in temperature.

Superdraulic® Hi Temp may be used in temperature extremes such as: fork lifts in brick kilns or cold stores, hydraulic drives operating in the extremes of the Australian desert and machine tools where viscosity must remain constant. The Supertemp range is available in ISO grades - 46, 68 and 100.

## COMPATIBILITY

Superdraulic® Hi Temp is compatible with most pumps, valves, and seal materials. However, like all hydraulic oils containing zinc anti wear additives, it is not suitable for use with pumps having silver plated parts (e.g. some Lucas units).

## SUMMARY OF BENEFITS

- Low variation in viscosity with temperature which leads to:
  - Suitability for very high and low ambients
  - Rationalisation of grades to cover conditions
  - Reduced wear at start up (filters not by passing) yet still protects at operating temperature
- Improved equipment life and decreased downtime due to superior wear and corrosion protection
- Excellent air release and anti-foam properties to prevent cavitation and oxidation
- Excellent filterability even when contaminated, thereby preventing filter blockages. This saves filter replacement costs and down time
- Very high shear stability ensures constant oil viscosity for uniform equipment operation
- Long fluid life due to enhanced chemical and thermal stability

## SPECIFICATIONS

Superdraulic® Hi Temp meets the following international performance specifications:

- ISO Viscosity Grades 46, 68, 100
- Denison HF-0, HF-1, HF-2
- DIN 51 524 Part 3
- MIL-L-24459 (Ships)
- ISO 6743/4 CAT HV
- Vickers M2952-S

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## STORAGE

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.

## HEALTH, SAFETY AND ENVIRONMENT

Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Gulf Western Oil on: 02 9673 9600.

## TYPICAL CHARACTERISTICS

SUPERDRAULIC® HI TEMP	Test Method	Units	46	68	100
Density @ 15°C	ASTM D1298	kg/L	0.856	0.8731	0.88
Kinematic Viscosity					
@ 40°C	ASTM D445	cSt	46	68	100
@ 100°C	ASTM D445	cSt	8	10.7	13.6
Viscosity Index	ASTM D2270	-	>150	>150	>150
Pour Point	ASTM D97	°C	-17	-17	-17
Flash Point (COC)	ASTM D92	°C	209	209	209
FZG Gear Test (A/8.3/90°C)	IP 334	Stage Failure	11	11	11
Colour	ASTM D1500	-	1.5	1.5	2.0

*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute any legal liability.*

## AVAILABLE PACK SIZES

**46:** IBC - 30081B, 205lt - 30081, 20lt - 32081, 5lt - 30581

**68:** IBC - 30065B, 205lt - 30065, 20lt - 32065, 5lt - 30565

**100:** IBC - 30091B, 205lt - 30091, 20lt - 32091