



**THE INNOVATIVE
AUSTRALIAN**

Product Data Sheet

Hydrol Retain HE 46 & 68

High Efficiency Multi Grade Hydraulic Fluid

Hydrol Retain HE products are specifically designed to keep their viscosity over a much broader temperature range. This means the fluid that can meet the low temperature requirements and still retains sufficient viscosity to protect and reduce leakage at high temperatures. This significantly improves pump and motor efficiency. **Hydrol Retain HE** gains its Multi Grade characteristics from a cutting edge shear stable high efficiency polymer. Unlike cheaper polymers designed for shorter oil drain intervals in engine oil, this additive ensures **Hydrol Retain HE** maintains its viscosity (multi grade) throughout its working life. The improved efficiencies at start-up and hot running can provide fuel savings of 5-30% in mobile plant.

Summary of Benefits:

- Wide operating temperature range (at least 15 °C more than a mono grade)
- Reduced power during start-up.
- Reduced internal leakage improving efficiency and running cooler.
- Superior fine filterability even in wet conditions.
- Leading performance in anti-wear protection, oxidation resistance and thermal stability.
- Top in class shear stability ensures constant oil viscosity throughout the oil drain interval.
- Long fluid life due to enhanced chemical and thermal stability.

Specifications:

- Cincinnati Milacron: P-68, P-69, P-70
- Denison: HF0, HF1, HF2
- DIN: 51524 Part 2 (HLP) & Part 3 (HVLP)
- Eaton Brochure 694 for VQ25A (formerly M-250-S and I-286-S)
- Ford: M6C 32
- GM: LS2
- ISO: 11158 Categories HM and HV
- ASTM: D 6158 Type HM and HV
- AFNOR: NF E48-603

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Product Code: 5303 Hydrol Retain HE 46

Product Code: 5304 Hydrol Retain HE 68

Product Size: 20L, 205L, 1000L

Typical Characteristics:

	46	68
Density at 15°C (kg/L)	0.85	0.87
Kinematic Viscosity at 40°C mm ² /s (cSt)	46.9	67.8
Kinematic Viscosity at 100°C mm ² /s (cSt)	8.9	11.4
Viscosity Index	173	163
Flash Point COC (°C)	216	226
Pour Point (°C)	-47	-45

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

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:

A Safety Data Sheet (SDS) is available for each product. Users should consult the SDS, and follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

The Safety Data Sheet is available at Royal Precision Lubricants website www.royallubricants.com.au or by email info@royallubricants.com.au

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