



# TECHNICAL DATA SHEET

## GRODAL HYDRA 12 HYDRAULIC OIL

### DESCRIPTION

Grodal Hydra 12 is a light colored, premium quality, anti wear hydraulic fluid formulated from high quality paraffin base stock with excellent stability, good resistance to oxidation and moisture with high natural viscosity index. It contains specifically selected anti-foamant, anti-rust, anti-oxidant and zinc type anti wear agent.

### APPLICATION

Grodal Hydra 12 is formulated as a superior heavy duty anti wear hydraulic oil for use in modern high pressure hydraulic systems. It also provides good anti-rust and water separation properties. It acts as a medium for transmitting power. It is recommended to handle the most severe hydraulic applications and satisfy many other lubrication applications. This product meet the following specifications

Vickers Vane Pump Test

Denison HF0, HF1 and HF2

DIN 51524 PART 2 and PART 3

### BENEFITS

- Good oxidation stability for long service life.
- Resistance to sludge and varnish deposits
- Minimizes wear and scoring
- Corrosion and wear protection for components

### TECHNICAL DATA

Colour & Appearance	:	Pale Clear Liquid
Sp.Gravity @ 30°C	:	0.83
Flash Point COC °C	:	120 Min.
Viscosity @ 40°C	:	12.0 cSt.
Viscosity Index	:	98
Pour Point °C	:	- 12

### RECOMMENDATIONS

Grodal Hydra 12 is recommended for all industrial and mobile hydraulic system application. Due to incompatibility of silver and zinc containing oils, Grodal Hydra 12 should not be used in systems incorporating silver coated components.

### MAINTENANCE

Grodal Hydra 12 is designed for long service life but it is known that all hydraulic oils eventually degrade due to the effect of oxidation. The symptoms of oil oxidation are an increase in viscosity, increase in acidity or the formation sludge.

### SAFETY

This oil is unlikely to present any significant health or safety hazard when properly used in the recommended application as well as good standards of industrial and personal hygiene is maintained.

Issued on : 07.10.2010

Supersedes all earlier

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