

# Industrial Oils



## PETROGULF HYDRAULIC OILS

## Product Data Sheet

**PETROGULF Hydraulic Oils** are high-quality hydraulic oils specially developed to satisfy the wide temperature variations and viscosity range encountered with modern hydraulic systems and meets the requirements of the world's leading hydraulic equipments manufacturers.

These oils are suitable for most hydraulic application such as machine tools, presses, as well as earthmoving equipments, can be used for lubrication of all high-pressure and high-speed vane, piston gear type hydraulic pumps, and for use in hydraulic equipments operating in extreme temperature conditions.

### FEATURES

- Excellent anti-wear properties
- High resistance to oxidation resulting in longer service life
- High shear stability
- Good demulsification properties, high resistance to foaming
- Compatible with all rubber seals
- High viscosity index due to highly refined base oils
- Excellent anti-corrosion and anti-rust properties
- Good water oil separation

### PERFORMANCE LEVELS

- Vickers I-286-S, M-2950-S
- Denison HF-1, HF-2, HF-0
- General Motors LH-04-1, LH-06-1, LH-15-1
- Cincinnati Milacron P-68, P-69, P-70
- DIN 51524 Part 2
- LEE NORSE 100-1
- B.F. GOODRICH 0152
- FORD M-6C 32
- AFNOR E 48-603
- US Steel 126,127

### BENEFITS TO YOUR CUSTOMERS

- Reduces maintenance costs
- Improves equipment performance
- Reduces consumable cost
- Better bottom line

### INDUSTRY APPLICATIONS

- General industry
- Earth Moving
- Mining
- Forestry

### TYPICAL CHARACTERISTICS

| PetroGulf Hydraulic Oil AW |       |       |       |       |       |       |
|----------------------------|-------|-------|-------|-------|-------|-------|
| ISO Grade                  | 22    | 32    | 46    | 68    | 100   | 150   |
| Specific Gravity, 15°C     | 0.863 | 0.865 | 0.868 | 0.875 | 0.880 | 0.892 |
| Air Release @ 20°C, mins   | 3.0   | 4.0   | 7.4   | 9.0   | 12.0  | 15.0  |
| FZD, Pass Load Stage       | 10    | 10    | 10    | 10    | 10    | 10    |
| Flash Point (COC), °C      | >200  | >210  | 220   | 226   | 240   | 250   |
| Kinematic Viscosity        |       |       |       |       |       |       |
| cSt @ 40°C                 | 22    | 32.24 | 46.05 | 68.2  | 99.0  | 150.0 |
| cSt @ 100°C                | 4.3   | 5.31  | 6.95  | 8.7   | 11.02 | 14.61 |
| Viscosity Index            | 100   | 100   | 95    | 99    | 95    | 95    |
| Pour Point, °C             | -9    | -6    | -6    | -6    | -6    | -6    |
| Zinc Content, m %          | 0.03  | 0.03  | 0.03  | 0.03  | 0.03  | 0.03  |

These characteristics are typical of current production. Whilst future production will conform to PetroGulf's specification, variations in these characteristics may occur.

### HANDLING, HEALTH AND SAFETY

- ✚ Lubricants consisting of high refined mineral oils with specific additives under normal conditions of use, presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- ✚ Prevent any splashing and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off used oil correctly; don't pour down drains, into watercourses or soil.
- ✚ Take used into authorized collection point.



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