TECHNICAL DATA SHEET – HYDRAULIC 46

PETRONAS Hydraulic 46 is a premium-quality hydraulic fluid specifically designed for industrial hydraulic systems and mobile equipment operating under both normal and severe conditions.

1. Descripción y Aplicaciones

- This lubricant is formulated with high-quality selected base oils and an advanced additive system including anti-wear, anti-oxidation, anti-corrosion, and anti-foaming properties.
- **Industrial Hydraulic Systems:** Suitable for presses, injection molding machines, and machine tools.
- **Mobile Equipment:** Excavators, cranes, and construction machinery.
- **Gear Systems:** Can be used in transmissions requiring an anti-wear lubricant (depending on the manufacturer's specifications).

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2. Specifications and Performance

- PETRONAS Hydraulic 46 meets or exceeds the requirements of the following international standards and OEM specifications:
- **DIN 51524** Part II HLP
- **ISO 11158** HM
- **ASTM D6158** HM
- **Parker Denison** HF-0, HF-1, HF-2
- **Eaton Vickers** I-286-S, M-2950-S
- **Fives Cincinnati** P-70

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3. Physicochemical Properties (Typical)

Characteristic	Unidad	Valor Típico
ISO Viscosity Grade	-	**46**
Density at 15°C	kg/l	0.876
Kinematic Viscosity at 40°C	cSt	46.0
Kinematic Viscosity at 100°C	cSt	6.8
Viscosity Index	-	102
Viscosity Index	°C	> 210
Pour Point	°C	-27

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4. Key Benefits

• **Superior Protection:** High protection against wear of pump components (pistons, vanes, gears), extending equipment service life.

• **Thermal Stability:** Excellent resistance to heat degradation, preventing sludge and deposit formation.

• **Water Separation:** Excellent demulsibility to quickly separate water, preventing corrosion.

• **Air Release**: Rapid release of air bubbles to prevent pump cavitation and ensure smooth system response.

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5. Presentación y Logística

- **Formato:** Garrafa
- **Capacidad:** 20 Litros
- **Almacenamiento:** Se recomienda almacenar bajo techo, en áreas secas y lejos de fuentes de calor extremo para mantener la integridad de las propiedades químicas.

Nota de Seguridad: Evite el contacto prolongado con la piel. No deseche el aceite usado en alcantarillas o en el medio ambiente; utilice los puntos de recolección autorizados.