TECHNICAL DATA SHEET

Ciifrol MELO HVLP SERIES

Heavy Duty High Viscosity Index Marine Hydraulic Oil

PRODUCT DESCRIPTION

CIIFROL MELO HVLP series Oils are premium quality, extra heavy-duty anti-wear hydraulic oils designed specifically for mobile and stationary high pressure Marine systems. These oils are made from highly refined Hydro-treated and Hydro-cracked base oils and high performance additive packages for very good performance in the field. The high quality base oils provide excellent Thermal and Oxidation stability thereby increasing oil life remarkably. These Oils have very high Viscosity index and very low pour point and are therefore highly suitable for operations where wide temperature fluctuations may be encountered. The premium quality additive package provides extra heavy duty performance, enhanced anti-wear characteristics and outstanding load bearing characteristics. These oils are currently available in viscosity grades of 32,46, 68 & 100.

APPLICATIONS

These oils are specially recommended for Marine hydraulic systems of highly loaded Marine Machinery which work on high pressures and temperatures. The high Viscosity Index of MELO HVLP oils maintain proper viscosity even at elevated temperatures thereby ensuring that there are no internal leakages.

SPECIFICATIONS

This is a propriety formulation of CIIFROL and they meet the requirements of DIN:51524 Part III (HVLP Type) specifications.

BENEFITS

- Low Compressibility , volatility and foaming tendency
- Good thermal capacity and conductivity
- Good Viscosity temp characteristics for wide operating temperatures.
- Excellent Demulsibility and hydrolytic stability
- Outstanding Anti-wear , anti-corrosion and antirust characteristics
- Very low pour point which will enable its use over wide temperature range.

APPLICATIONS

- Hydraulic Systems

These oils are recommended for high pressure hydraulic systems using vane, piston or gear pumps on mobile and stationary equipment used in Industrial construction, Agriculture and Mining. CIIFROL MELO HVLP oils are also suitable for enclosed gears operating under medium to high load conditions as well as industrial circulating systems where Rust and oxidation inhibited oils are recommended.

TYPICAL PROPERTIES

ISO GRADE	HVLP 15	HVLP 32	HVLP 46	HVLP 68	HVLP 100
Viscosity at 40°C, cSt	12 - 18	28 - 36	42-50	62-75	92-108
Viscosity Index (Min)	150	150	150	150	150
Flash Point, COC, °C	170	195	200	205	210
Pour Point, °C (Typ)	(-)27	(-)27	(-)24	(-)24	(-)22
Foaming Tendency	Pass	Pass	Pass	Pass	Pass
Rust Prevention Characteristics	Pass	Pass	Pass	Pass	Pass
FZG Gear Test, Failure Stage	10	10	10	10	10
Air Release Value, DIN ISO 9120	12 Min	13 Min	13 Min	15 Min	15 Min

(These values are typical and may vary slightly in production.)

The information provided in this Technical Data Sheet is based on our best knowledge and experience and is intended as a general guide. The technical data represents typical values and may vary depending on product batches, operating conditions and application methods.

Users are advised to refer to the latest Technical Data Sheet and Safety Data Sheet (SDS) for applicable product information.

Users are advised to evaluate the product for suitability for their specific application and to follow recommended handling, storage and safety practices. CIIFROL accepts no responsibility for any loss, damage or injury resulting from improper, unintended or abnormal use of the product or conditions beyond its reasonable control.