

Shell Tellus 2HF 68 SS

Specialist Fluid for Schwing Stetter Pumps



Shell Tellus 2HF 68 SS is premium quality, solvent refined, high viscosity index mineral oil based hydraulic fluid specially developed for hydraulic requirements of Schwing Stetter concrete machineries.

Applications

- Hydraulic systems of Schwing Stetter Concrete Machineries.

Performance Features and Benefits

- **Thermal stability**

Thermally stable in hydraulic systems of Schwing Stetter concrete machineries working in extraneous conditions of load and temperature. Tellus 2HF 68 SS is highly resistant to degradation and sludge formation therefore improving system reliability and cleanliness.

- **Oxidation resistance**

Resist oxidation in the presence of air, water and copper. Turbine Oil Stability Test (TOST) results show outstanding performance for Tellus 2HF 68 SS; low acidity, low sludge formation, low copper loss; therefore extending oil drain interval life and minimising maintenance costs.

- **Hydrolytic stability**

Tellus 2HF 68 SS has good chemical stability in the presence of moisture, which ensures long oil life and reduces the risk of corrosion and rusting.

- **Outstanding anti-wear performance**

Proven anti-wear additives are incorporated to be effective throughout the range of operating conditions, including low and severe duty high load conditions. Outstanding performance in a range of piston and vane pump tests; including the tough Denison T6C (dry and wet versions) and the demanding Vickers 35VQ25. ensure that Tellus 2HF 68 SS helps the system components last longer.

- **Superior filterability**

Tellus 2HF 68 SS is suitable for ultra-fine filtration, an essential requirement for maintaining fluid cleanliness in hydraulic systems of concrete machineries. This specialist fluid remains unaffected by the usual products of contamination in such

applications, such as water and calcium, which are known to cause blockage of fine filters. Customers can use finer filters, therefore achieving all the benefits of having in use cleaner fluids.

- **Low friction**

Tellus 2HF 68 SS possesses high lubrication properties and excellent low friction characteristics in hydraulic systems operating at low or high speed. Prevents stick-slip problems in critical applications enabling very fine control of machinery.

- **Excellent air release and anti-foam properties**

Careful use of additives to ensure quick air release without excessive foaming. Quick air release helps minimise cavitation and slow oxidation, maintaining system and fluid performance.

- **Good water separation**

Good water separation properties (demulsibility) resists the formation of water-in-oil emulsions and prevents consequent hydraulic system and pump damage.

Specifications and Approvals

Tellus 2HF 68 SS is approved by Schwing Stetter (India) Private Limited, Chennai.

Compatibility

Tellus 2HF 68 SS is compatible with most pumps. However, please consult your Shell Representative before using in pumps containing silver plated components.

Seal & Paint Compatibility

Tellus 2HF 68 SS is compatible with all seal materials and paints normally specified for use with mineral oils.

Health & Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet which can be obtained from your Shell representative.

Protect the environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.



Typical Physical Characteristics

Shell Tellus 2HF 68 SS	68
ISO Oil Type	HM
Kinematic Viscosity @ 0°C cSt 40°C cSt 100°C cSt (IP 71)	1040 68 8.6
Viscosity Index (IP 226)	97
Density @ 15°C kg/l (IP 365)	0.886
Flash Point °C (Pensky-Martens Closed Cup) (IP 34)	223
Pour Point °C (IP 15)	-24

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