TECHNICAL DATA SHEET

CIIFROL SYNCOMP SERIES

Synthetic-Blended Compressor & Hydraulic Oils

DESCRIPTION

Ciifrol Syncomp series oils are premium-quality, extra heavy-duty synthetic-blended compressor-cum-hydraulic oils designed for mobile and stationary high-pressure systems. They are made from severely hydrocracked (synthetic-blended) base oils and high-performance additive packages. The base oils provide excellent thermal and oxidation stability, helping to increase oil life. Their inherently high viscosity index makes them suitable for operations with wide temperature fluctuations. The additive package provides extra heavy-duty performance, enhanced anti-wear characteristics, outstanding load-bearing characteristics and very good demulsibility. Available viscosity grades: ISO 32, 46 and 68.

APPLICATIONS

Ciifrol Syncomp oils are multipurpose oils recommended for new-generation screw compressors, geared turbines and high-pressure hydraulic systems using vane, piston or gear pumps on mobile and stationary equipment used in industrial construction, agriculture and mining. They are also suitable for enclosed gears operating under medium-load conditions and industrial circulating systems. They provide satisfactory performance in compressor applications when the appropriate viscosity is selected. Ciifrol Syncomp 68 is used extensively for screw-compressor lubrication.

SPECIFICATIONS

This is a proprietary formulation of SRN Lubricants. The source sheet states that the oils meet German standard DIN 51524 Part II (HLP Type), Hägglunds Denison HF-0 filterability requirement, Vickers 1-286-S and M-2950-S. It also lists DIN 51515 (turbine specifications), DIN 51517 (gear specifications) and U.S. Steel 127.

KEY BENEFITS

- Low compressibility, volatility and foaming tendency.
- Good thermal capacity and conductivity.
- Good viscosity-temperature characteristics for wide operating temperatures.
- Excellent demulsibility and hydrolytic stability.
- Outstanding anti-wear, anti-corrosion and anti-rust characteristics.
- Very low pour point, enabling use over a wide temperature range.

TYPICAL PROPERTIES

TEST PARAMETERS	ISO 32	ISO 46	ISO 68
Viscosity at 40°C, cSt	30–34	44–48	66–70
Viscosity Index, minimum	130	130	130
Flash Point, COC, °C	210	230	240
Pour Point, °C	(-)16	(-)14	(-)12
Foaming tendency	Pass	Pass	Pass
Rust prevention characteristics	Pass	Pass	Pass
FZG gear test, failure stage	10	10	10
Emulsion test max, 40-37-3 (D 1401)	20 min	20 min	25 min
Air release at 50°C, min	3 min	3.5 min	4.5 min

The above values are typical results. Guaranteed specification values may differ and are often lower than typical values. For guaranteed specifications, please contact a CIIFROL representative.

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.

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