



# CHEMPURE FG HYDRAULIC FLUID 46

Mineral Based Hydraulic fluid for Food Manufacturing Machinery



## DESCRIPTION

CHEMPURE FG HYDRAULIC FLUID 46 is a premium mineral based hydraulic fluid and contains specialized additives that provide improved resistance to oxidation, wear and corrosion and designed with the most stringent food & beverage processing requirements in mind. It is colorless, non-toxic, non-fouling, non-irritating fluid and contains no substances harmful to health and is suitable for applications where direct contact with food is possible. It is certified and registered by NSF (Class H1) for use where there is potential for incidental food contact.

## APPLICATIONS

- Hydraulic Systems & Hydrostatic gears
- Plain and anti-friction bearings
- General purpose lubrication including light duty gearboxes
- Circulating oil systems

## PERFORMANCE FEATURES AND BENEFITS

- Superior lubrication under wide operating temperature and conditions.
- More thermally stable and resist oxidation at higher temperatures.
- Possess good Viscosity Index.
- Provide excellent protection against corrosion.
- Excellent air release and antifoam characteristics minimize cavitation.
- Possess good demulsification properties.
- Delivers exceptional, long-lasting protection in hydraulic systems.
- Approved by NSF(H1) to be used in food and beverage processing.

## CERTIFICATIONS AND STANDARDS

NSF-H1 Approved (171910), DIN 51524 HLP

## TYPICAL TECHNICAL PROPERTIES

PRODUCT CODE:	FG-03-HF-M-25003
ISO Viscosity Grade	46
Appearance, Visual	B&C
Color, ASTM D6045	L0.5
Density at 15°C, g/ml, ASTM D4052	0.865
Kinematic Viscosity at 40°C, mm <sup>2</sup> /s, ASTM D445	46.1
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s, ASTM D445	6.80
Flash Point(COC), °C, ASTM D92	210
Pour Point, °C, ASTM D97	-21
Copper strip corrosion, 3 hrs @ 100°C, ASTM D130	1B
Demulsibility, ml, D1401	40/37/3 (25)
Foam Sequence I/II/III, ml, D892	0/0/0

Note: These characteristics are typical of current production. While future production will conform to Atlantic's specification, variations in these characteristics may occur.

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\* supersedes all previous versions

**Packing:** 20L, 200L, 208L, 1000L, BULK