

Product Information:

LIQUIMATIC FG32 and FG46

FOOD SAFE HYDRAULIC OILS

Description

Liquimatic FG Hydraulic Oils are high performance blends of food grade white oils fortified with the latest additive technology giving outstanding wear resistance and EP properties required for modern hydraulic and circulating systems. They comply with HI guidelines for incidental food contact for use in applications in and around food, beverage and pharmaceutical and production areas.

Applications

Liquimatic FG grades are designed for hydraulic and circulating systems in the food and clean industries operating at wide temperature ranges. The lubricants have resistance to wear and load normally experienced in hydraulic systems. The additive package gives enhanced corrosion protection properties and supports manufacturers' requirements for food safety (e.g. HACCP and GMP programs).*

Applications include:

<ul style="list-style-type: none"> • All hydraulic systems • Low loaded oil lubricated bearings • Valve lubrication • General purpose oil lubrication 	<ul style="list-style-type: none"> • Variable speed drives requiring low viscosity oils • Process machinery (bottling and canning) • Pneumatic tools & airline systems (FG 32)
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These products may be poured directly from the container, or if using a drum, please ensure clean equipment is used to transfer the product to the system.

Shelf life: 5 years in original sealed containers whilst stored out of direct sunlight.

Performance Level

NSF H1 compliant:

Liquimatic FG 32 – NSF Registration No. 172104

Liquimatic FG 46 – NSF Registration No. 172105

Manufactured to ISO 9001:2015

FDA 21 CFR 178.3570

ISO-L-HV (according to ISO 6743-4)

HLP (to DIN 51524 Part 2)

Physical Characteristics

ISO VG Grade	32	46
Appearance	Clear	Clear
Relative Density @ 15.6 °C	0.850	0.867
Kinematic Viscosity @ 40 °C (cSt)	32	46
Kinematic Viscosity @ 100 °C (cSt)	6	7
Viscosity Index	119	113
Closed Flash Point (°C)	>190	>205
Pour Point (°C)	-42	-33
Demulsibility ASTM D1401	Pass	Pass
FZG Scuffing (FLS)	11	11
Copper Strip Corrosion ASTM D130	1	1
Temperature Range °C	-25 to +140	-5 to +140

Figures based on average production values

* GMP – Good manufacturing Practice

HACCP – Hazard Analysis and Critical Control Points

Part No.s: FG 32: FGT020 FG 46: FGF020

(TDS Liquimatic FG Hydraulic Oils – 120525 Issue 2)