

TECHNICAL DATA SHEET | INDUSTRIAL

Engen FoodPure FGS Compressor Series

H1 registered for incidental contact with foodstuffs



Food Grade



PETRONAS

Engen is a
member of the
PETRONAS Group

Description

FOODPURE FGS COMPRESSOR FLUID is a high performance, compressor lubricant. They are formulated with Group III base oils and selected performance additives to provide excellent lubricating properties. They are registered to H1 for incidental food contact for use in applications in and around food, beverage and pharmaceutical processing and production areas.

Application

FOODPURE FGS COMPRESSOR FLUIDS are recommended for use in oil-flooded rotary screw compressors, centrifugal compressors and other applications requiring an oxidation resistant lubricant.. The additive package gives enhanced corrosion protection properties and supports manufacturer's requirements for HACCP and GMP programmes.

FOODPURE FGS COMPRESSOR FLUIDS have similar compatibility with paints, seals, gaskets and hoses as mineral oils. No special precautions are required regarding compatibility when changing over from a mineral compressor fluid to FOODPURE FGS COMPRESSOR FLUID. They are also compatible with other synthetic (PAO, ester) based compressor lubricants.

Benefits & Features

- Outstanding oxidation stability Less sludge and longer fluid life.
- High Viscosity Index Retains viscosity at higher temperatures.
- Compatible with most seals. No seal changes required.
- Extended oil drain intervals. Reduced down time

Performance Level

FOODPURE FGS COMPRESSOR FLUIDS are NSF H1 Registered for incidental food contact, Halal Certified, Kosher Certified, manufactured to ISO 9001:2015 and ISO 21469 and meet the requirements of FDA 21 CFR 178.3570. FOODPURE FG FLUIDS meet or exceed the requirements of ISO-L-HV (according to ISO 6743-4) and HLP (to DIN 51524-2).



With us you are Number One

ENGEN

Typical Physical Characteristics

ENGEN FOODPURE FGS COMPRESSOR SERIES					
PARAMETERS	METHODS	UNITS	TYPICAL VALUES		
			46	68	100
Viscosity at 40°C (cSt)	ASTM D7042	cSt	41	64	91
Viscosity at 100°C (cSt)	ASTM D7042	cSt	7	10	12
Viscosity Index	ASTM D2270	-	136	136	134
Density at 15°C (g/cm3)	ASTM D1298	g/cm3	0.85	0.85	0.86
Acidity (TAN)	ASTM D664	mgKOH/g	0.6	0.5	0.6
Flash Point (COC) (°C)	ASTM D92	°C	252	257	247
Pour Point (°C)	ASTM D97	°C	-18	-18	-21
Demulsibility (minutes)	ASTM D1401	minutes	10	15	15
Temperature Range (°C)	0 to 180	°C	-	0 to 180	-

All technical data is provided for reference only. These characteristics are typical of current production. Whilst future production will conform to Engen's specification, variations in these characteristics may occur.

11.2021

Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water. For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS. Safety Data Sheets are available for all our products and should be only be consulted for appropriate information regarding storage, safe handling and disposal of the product. No responsibility shall be taken by either Engen or its subsidiaries and related holding corporation for any loss or injury or any direct, indirect, special, exemplary, consequential damages or any damages whatsoever, whether in action of contract, negligence or other tortious action, in connection or resulting from abnormal use of the materials and/or information, from any failure to adhere to recommendations, or from hazards inherent in the nature of the materials and/or information. All products, services and information supplied are under our standard conditions of sale. Please consult with any of our local representative in the event you require any further information.

For more information about this product and other products in our range please scan the following:



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