

**CLARION® SYNBAR® FLUID 22**

Date 09/15

DESCRIPTION: Clarion SynBar Fluid 22 is formulated using premium polyalphaolefin synthetic fluids and additive systems to perform in mechanical seals where superior lubrication and cooling properties are a must to promote seal longevity. The enhanced additive system is designed to promote the natural properties of the polyalphaolefin base and meet the special requirements for mechanical seals.

QUALITIES: Clarion SynBar Fluid 22:

- Is formulated to minimize system impurities and reduce catalyst poisoning.
- Has excellent low temperature fluidity and high temperature stability to cover a wide service temperature range.
- Is compatible with commonly used seal materials.
- Is formulated with additives and base stocks to meet incidental food contact applications and meets U.S. FDA regulation 21 CFR 178.3570 requirements.
- Is registered as an incidental contact NSF H1 lubricant for use in food processing plants under the jurisdiction of the USDA.

APPLICATIONS: Clarion SynBar Fluid 22 is designed for use in both pressurized and non-pressurized dual mechanical seals manufactured by companies such as John Crane, and FlowServe, etc., where a superior buffer/barrier fluid is required.

Clarion SynBar Fluid 22 is recommended for use in mechanical seals found in chemical/hydrocarbon processing, food processing, gas compression, and fluid pumps, etc., where a fluid with its unique properties are called for.

Clarion SynBar 22 can be used in low temperature hydraulic systems as a replacement for Mil-5606 fluids in non-aviation application.

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TYPICAL PROPERTIES:

CLARION® SYNBAR® FLUID 22

Grade	22
Material Code	632507009
API Gravity, ASTM D 287, °API	41.4
Specific Gravity	0.8184
Density, lbs/gal	6.814
Viscosity, ASTM D 445, cSt at 40°C	18.6
cSt at 100°C	4.14
Copper Corrosion ASTM D 130	1A
Flash Point, ASTM D 92, °F (°C)	432 (222)
Fire Point, ASTM D 92, °F (°C)	489 (254)
Pour Point, ASTM D 97, °F (°C)	-86 (-66)
Rust Prevention, ASTM D 665 A (DI Water)	Pass
ASTM D 665 B (Salt Water)	Pass
Foam, ASTM D 892, Sequence I, II, III	Pass
Brookfield, Viscosity, cP at -40°C	2700
Dielectric Strength, ASTM D 877, kv	35
Anti-wear Properties, ASTM D 4172	
mm Scar at 40 Kg	0.35
NSF Registered	H1
FDA 21 CFR 178.3570	✓

(1) Data developed on the Base Fluid

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