



# CLARION® SynBar® Fluids

## OVERVIEW



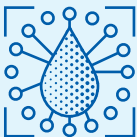
- Formulated using premium polyalphaolefin synthetic fluids and additives to perform in mechanical seals where superior lubrication and cooling properties are a must to promote seal longevity.
- Enhanced additive system designed to promote the natural properties of the polyalphaolefin base fluid and meet the special requirements for mechanical seals.

## FEATURES & BENEFITS

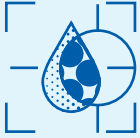


- Formulated to minimize system impurities and reduce catalyst poisoning.
- Excellent low-temperature fluidity and high-temperature stability to cover a wide service temperature range.
- Compatible with commonly used seal materials.
- Meets the requirements of U.S. FDA regulation 21 CFR 178.3570 for incidental food contact.
- NSF H1 registered for use in food processing plants under the jurisdiction of the USDA.

## APPLICATIONS



- Pressurized and non-pressurized dual mechanical seals manufactured by companies such as John Crane, FlowServe, and others, where a superior buffer/barrier fluid is required.
- Mechanical seals found in chemical/hydrocarbon processing, food processing, gas compression, fluid pumps, etc., where a fluid with its unique properties are called for.
- Clarion SynBar Fluid 22 can be used in low temperature hydraulic systems as replacement for Mil-5606 fluids in non-aviation applications.

**PROPERTIES****Typical Properties for CLARION SynBar Fluids:**

<b>Grade</b>	<b>5</b>	<b>22</b>
Material Code	632505009	632507009
API Gravity, °API ASTM D287	45.4	41.4
Specific Gravity ASTM D1298	0.8003	0.8184
Density, lb/gal	6.66	6.814
Viscosity ASTM D445		
cSt at 40°C	5.5	18.6
cSt at 100°C	1.70	4.14
Copper Corrosion ASTM D130	1B	1A
Flash Point, °F (°C) ASTM D92	316 (158)	432 (222)
Fire Point, °F (°C) ASTM D92	345 (174)	489 (254)
Pour Point, °F (°C) ASTM D97	-65 (-54)	-86 (-66)
Rust Test ASTM D665 A/B	Pass	Pass
Foam Test ASTM D892, Sequence I, II, III	Pass	Pass
Brookfield, Viscosity, cP at -40°C ASTM D2983		2700
Dielectric Strength, kV ASTM D877		35
Four-Ball Wear, mm @40 ASTM D4172	0.39	0.35
NSF Registered	H1	H1
FDA 21 CFR 178.3570	✓	✓

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