



Product Data Sheet



Monarch Syngear

Full Synthetic Industrial Gear Oil

Monarch Syngear Oils are superior quality synthetic lubricants which provide numerous benefits, such as exceptionally high oxidation resistance, minimum sludge and varnish formation and increased oil life. The product also provides significant wear reduction, a broad operating temperature range, plus high lubricity and film strength.

Monarch Syngear Oils are recommended for use in air compressors, bearings, circulating oil systems, enclosed gear drives and other equipment operating in severe service. Due to its additive properties, Monarch Syngear is able to withstand extreme pressures and will remain reliable even with shock loads.

Product Features:

- Good oxidation resistance
- Wide operating temperature range
- Great resistance to rust and oxidations

Customer Benefits:

- Increased oil life
- Significant wear reduction
- Improves gear efficiency

Applications:

- Extreme Pressure Gears and Hydraulics

Meets or Exceeds Specifications

US Steel 224	AGMA 9005-E02	
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Monarch Syngears

Product Number	860	861	862	863	865	866	867	Test Method
ISO Viscosity Grade	32	46	68	100	220	320	460	-
Viscosity @ 40°C, cSt	31	47	66	100	212	302	438	
Viscosity @ 100°C, cSt	5.9	7.8	9.4	13.7	25.0	33.0	43.0	
Viscosity @ 100°F, SUS	159	240	338	514	1007	1568	2286	
Viscosity @ 210°F, SUS	46	52	60	74	123	161	208	
Viscosity Index	138	135	134	138	148	151	151	
Flash Point, °C	235	255	270	270	270	275	275	ASTM D92
Pour Point, °C	-40	-36	-33	-30	-30	-27	-27	ASTM D97
Density Lbs./gal @ 60°F	7.07	7.08	7.16	7.16	7.33	7.33	7.34	-
4 Ball Wear, mm	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	-
RPVOT Mins.	>1400	>1400	>1400	>1400	>1400	>1400	>1400	ASTM METHOD

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Safety Data Sheet (SDS) found on our website. www.royalmfg.com or call (918)-584-2671.



5 Gal. Pails



55 Gal. Drums



275/330 Gal. Totes



>2000 Gal. Bulk

