



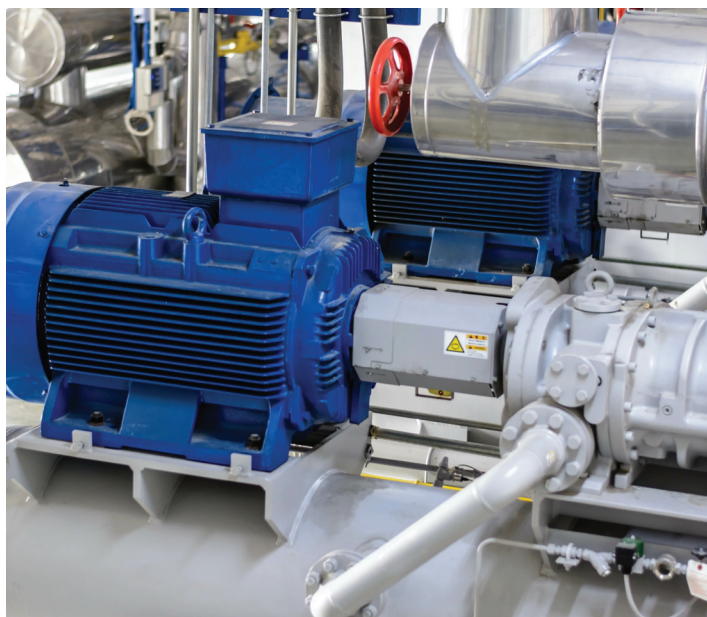
# ALKALUBE™

SYNTHETIC COMPRESSOR OIL FOR ALKALINE GAS SERVICE *WITH SYNERLEC®*

Alkalube™ is engineered for compressors operating in alkaline environments, where conventional oils often fail to provide sufficient protection. Its advanced formulation delivers enhanced corrosion resistance for metal surfaces exposed to alkaline liquids and gases, helping safeguard equipment, minimize wear, and reduce total cost of ownership.

Unlike conventional mineral and synthetic oils, Alkalube™ combines premium synthetic base oils with our proprietary Synerlec® additive technology to deliver superior performance. Proven in demanding applications, this unique formulation helps equipment run smoother, cooler, quieter and more efficiently, resulting in longer service life, greater reliability, and maximized uptime with reduced maintenance demands.

Alkalube is an undyed product.



## PROPRIETARY ADDITIVE TECHNOLOGY - SYNERLEC®

Synerlec additive technology forms a tough, slippery film that bonds ionically to metal surfaces, increasing oil film thickness beyond what viscosity alone can provide. This reinforced film greatly reduces the likelihood of breach, preventing metal-to-metal contact even under severe operating conditions where ordinary lubricants would fail. Because Synerlec allows a lubricant to

carry significantly higher loads than other mineral and synthetic oils, it delivers extra protection for bearings exposed to misalignment, shaft flex, high temperatures, imbalance, or water contamination – factors that typically thin oil films. In addition, Synerlec can smooth metal surfaces already damaged by wear by gently micro-mending surface asperities.

## PERFORMANCE & OTHER ADVANTAGES

**LONG SERVICE LIFE** – Has outstanding oxidation stability, helping it keep equipment clean longer and greatly extend oil change intervals.

**ENHANCED EFFICIENCY** – Has a lower coefficient of friction than mineral oils, contributing to reduced parasitic loss and increased energy savings.

**INCREASED UPTIME** – Provides exceptional wear protection for greater equipment reliability.

**EXCELLENT DEMULSIBILITY** – Rapidly separates from water and alkaline solutions, allowing free water to be drained from the system.



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## TYPICAL APPLICATIONS & INDUSTRIES

- Compressors
- Caustic processing facilities
- Petrochemical plants

## TECHNICAL DATA

ISO Grade	32
<b>Color</b>	Amber
<b>Relative Density</b> @ 60°F/60°F, ASTM D1298	0.834
<b>Viscosity</b> @ 100°C cSt, ASTM D445	5.9
<b>Viscosity</b> @ 40°C cSt, ASTM D445	32
<b>Viscosity Index</b> ASTM D2270	130
<b>Flash Point</b> °C (°F), ASTM D92	243 (470)
<b>Pour Point</b> °C (°F), ASTM D97	-60 (-76)
<b>Copper Corrosion</b> 3 hrs @ 100°C, ASTM D130	1b
<b>Emulsion Characteristics</b> @ 54°C oil/water/emulsion-minutes, ASTM D1401	40/40/0-5
<b>Foaming Characteristics</b> 3 sequences @ 24°C, 93.5°C, 24°C: tendency/stability (ml)-time to break (sec), ASTM D892	20/0-5, 0/0-0, 20/0-4

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