



# COMPRESSOR OIL

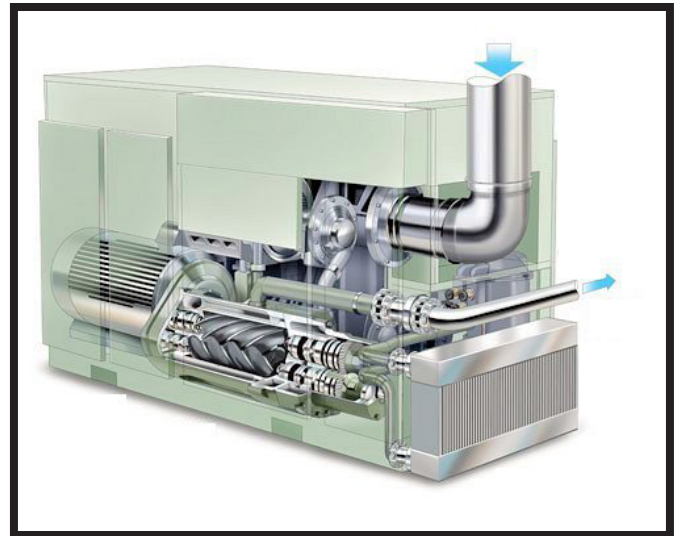
- **FOR RECIPROCATING EQUIPMENT**
- **FOR SCREW COMPRESSORS**
- **FOR FLOODED VANE UNITS**
- **SEPARATES FROM WATER**
- **IS VERY STABLE**
- **GIVES SUPERIOR PERFORMANCE**

Texas Refinery Corp.'s COMPRESSOR OIL is engineered using new generation base stocks enriched with extra quantities of anti-rust, anti-oxidation, anti-foaming, and anti-wear chemistry. These oils reduce friction and wear as well as provide long life due to the combination of excellent quality base oils and superior additives.

## COMPRESSOR OIL For Reciprocating Equipment

While rotary compressors (both screw and vane machines) are being applied in greater and greater numbers, reciprocating units still make up the majority of the compressors in service in industry. Reciprocating compressors all operate on the same basic principle and present several unique maintenance and lubrication requirements.

Ordinarily Texas Refinery Corp.'s COMPRESSOR OIL ISO 100 (SAE 30) is the lubricant of choice both in the crankcase and on the valve side of the compressor. Colder temperatures may cause you to choose COMPRESSOR OIL ISO 68 (SAE 20) for the crankcase and/or valve side of the compressor. Texas Refinery Corp.'s COMPRESSOR OIL helps provide a clean crankcase and properly operating valves, rings, and cylinders which are key to trouble-free compressor service and lower maintenance costs.



*Texas Refinery Corp.'s COMPRESSOR OIL will provide excellent lubrication to the rotating parts, while sealing against air slippage and lowering the discharge temperature.*

## COMPRESSOR OIL For Screw Compressors

In the screw compressor, the intermeshing rotors never actually come into contact with each other. Because compression is the major source of heat, the operating temperature of screw compressors is generally lower than in vane compressors. The lower temperatures translate into longer service life of the lubricant. Texas Refinery Corp.'s COMPRESSOR OIL ISO 32 (SAE 10), ISO 46 (SAE 15) and ISO 68 (SAE 20) are recommended for screw compressors depending on the manufacturer's requirements.

## COMPRESSOR OIL For Flooded Vane Units

In flooded vane compressors you have to deal with high rotation speed which generates excessive friction. In this severe environment, the lubricants must withstand high temperatures and constant shearing action. Texas Refinery Corp.'s COMPRESSOR OIL contains superior anti-oxidation additives blended with base oils that have been put through severe refining steps to increase the oil's life when under high temperature operating conditions. Flooded rotary vane compressors normally use COMPRESSOR OIL ISO 32 (SAE 10), ISO 46 (SAE 15) and ISO 68 (SAE 20) depending on manufacturers' recommendations.

## COMPRESSOR OIL Separates From Water

Texas Refinery Corp.'s COMPRESSOR OILS have an ability to separate from water. This ability is known as demulsibility. Since these oils are expected to give extended service life, it is important they do not retain water they may contact or may have introduced to them through condensation, cooler leaks or other sources. Retained water could cause equipment damage through rust and changes in the fluid characteristics of the oil. Texas Refinery Corp.'s COMPRESSOR OILS have superior emulsion-breaking characteristics.

## COMPRESSOR OIL Is Very Stable

Texas Refinery Corp.'s COMPRESSOR OILS are very stable and they offer a long service life. The very high quality base oils are enriched with generous amounts of superior additives.

TRC COMPRESSOR OILS resist viscosity increase, varnish formation, base oil break down, filter plugging, acid number increase, as well as rust and corrosion. TRC COMPRESSOR OILS resist oxidation to ensure trouble free compressor service and lower maintenance cost.

## COMPRESSOR OIL Gives Superior Performance

Texas Refinery Corp.'s COMPRESSOR OIL provides high film strength to minimize friction and to protect from wear during starting and stopping periods. The high film strength also helps prevent the oil film from thinning excessively during other high loading situations. Anti-foam is another very important additive system incorporated in Texas Refinery Corp.'s COMPRESSOR OIL. By reducing the chance of foaming, along with the wear-reducing properties of the oil and other additives, COMPRESSOR OIL provides increased wear protection to the bearings and other moving parts of the compressors.

# SPECIFICATIONS

## COMPRESSOR OIL

ISO Number	32	46	68	100	150	220
Approx. SAE Grade	10	15	20	30	40	50
Product Code	#6110	#6115	#6111	#6112	#6113	#6114
<b>Properties:</b>						
Gravity, API	30/32	31/32	29/31	28/30	28/30	27/29
Flash Point, °F. COC, Min.	400	400	400	415	430	440
Fire Point, °F. COC, Min.	430	440	440	450	470	480
Pour Point, °F. COC, Max.	0	+5	+5	+10	+10	+10
Viscosity, cSt at 40° C.	32	46	68	100	150	220
Viscosity Index, Min.	105	105	105	105	105	105
Foam Test, after initial Blowing/5 Min. Settling, ml.						
Sequence I	25/0	25/0	25/0	25/0	30/0	30/0
Sequence II	25/0	25/0	25/0	25/0	30/0	30/0
Sequence III	25/0	25/0	25/0	25/0	30/0	30/0
Rust & Oxidation Inhibitors	Yes	Yes	Yes	Yes	Yes	Yes
Demulsibility ASTM D-1401	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent

Handling Information: For safe handling of the product, read the Safety Data Sheet (SDS).

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PRINTED IN U.S.A. 5/2014  
L306112