

## Syn-Par RC

Air Compressor Oil

No. 329

ISO: 32, 46, 68, 100, 150

### DESCRIPTION:

**Syn-Par RC** Compressor Oil is a high performance compressor lubricant, blended from high viscosity index (VI) polyalphaolefin (PAO) synthetic base fluid and highly refined hydro cracked paraffin base oil, combined with specially selected additives. Compared to compressor oils made with petroleum base stocks **Syn-Par RC** provides much higher thermal stability and oxidation resistance. This lubricant can be used in a wide variety of compressor applications including reciprocating, rotary screw and centrifugal type compressors and is useful in multi-purpose applications. The lighter grades are also well suited for gas and steam turbine applications. The combination of synthetic base fluid, hydro cracked oils and special friction reducing and anti-oxidation additives make this an extremely long life lubricant.

### PERFORMANCE CHARACTERISTICS:

- **Oxidation resistant**  
Oxidation inhibitors and premium quality PAO base stocks combine to form a product with outstanding resistance to oxidation, sludge and varnish, designed for extended drain intervals
- **Provides excellent anti-wear protection**  
Special anti-wear additives protect against wear at high pressure and under heavy loads
- **Friction reduction**  
Exclusive friction reducing additives provide reduced operating temperature and wear
- **Thermal stability**  
Provides low carbon and deposit forming tendencies for cleaner, cooler operation
- **Superior rust protection**  
Inhibitors protect metal parts from moisture during operation and shut down.
- **Demulsibility**  
Designed to separate rapidly from water for extended filter life
- **High viscosity index**  
Allows efficient operation and reduces horsepower requirements at both low and high temperatures

### TYPICAL APPLICATIONS:

Reciprocating Compressors  
Rotary Compressors  
Steam Turbines

Screw Compressors  
Vane Compressors  
Gas Turbines

Lobe Compressors  
Hydraulic Systems  
General Lubrication

### SUMMARY:

Air compressors are constantly subjected to adverse conditions such as moisture, heat, high speeds, long operating intervals and high pressures. Each of these factors affects the ability of the compressor fluid to provide the protection needed. Carbon, gum and varnish buildup lead to accelerated wear in bearings, rings, vanes, gears, rotors and cylinders. Oil deterioration results in excessive wear causing expensive downtime and rebuilds. **Syn-Par RC Compressor Oil is formulated to greatly reduce these problems and provide maximum compressor efficiency and life.**

**TYPICAL SPECIFICATIONS:**

ISO Grade	32	46	68	100	150
Viscosity @ 40°C, cSt	29.6	45.8	63.6	97.1	145.1
@ 100°C, cSt	5.12	6.68	8.31	10.97	14.31
@ 100°F, SUS	153	237	329	505	760
@ 210°F, SUS	43.4	48.6	54.2	63.7	76.7
Viscosity Index	100	97	99	97	96
Pour Point, °F	-33	-33	-27	-27	-27
°C	-36	-36	-33	-33	-33
Flash Point, °F	440	460	480	505	510
°C	227	238	249	263	266
Emulsion	40/40/0	40/40/0	40/40/0	41/39/0	43/37/0
Tendency	(15 mins.)	(15 mins.)	(15 mins.)	(15 mins.)	(10 mins.)
Four Ball Wear Test, mm1200 rpm, 167°F, 40 kg	0.54	0.60	0.50	0.50	0.61

Values shown here are typical, and may vary.

**PERFORMANCE PRODUCTS GUARANTEED**

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