



OUR BUSINESS IS HEAVY DUTY LUBRICANTS

Tel: (305)681-6110 Fax: (305)681-0906 / Miami, FL 33167 www.PETRO-FLORIDA.com

PRODUCT SPECIFICATIONS & TECHNICAL DATA

SYNTHETIC COMPRESSOR OILS

PETROFLO SYN-COMPRESSOR OILS are a line of high performance synthetic lubricants that are suitable for use in many types of air compressors to include reciprocating (piston) and rotary compressors (sliding vane and cylindrical screw). **PETROFLO SYN-COMPRESSOR OILS** are formulated from the highest quality base stocks combined with advanced technology additives to provide exceptional advantage over conventional petroleum based lubricants and over other synthetic lubricants.

BENEFITS:

- Outstanding Thermal and Oxidation Stability
- Extended Drain Intervals up to 8 Times Longer than Achieved with Petroleum Oils
- Lower Operating Costs through Increased Lubricant Life
- Natural Solvency
- Less Build up of Sludge and Varnishes (Compressors Operate Cleaner)
- Longer Equipment Life Reduced Maintenance Required
- Low Pour Points / Good Low Temperature Viscosity
- Good Cold Weather Start-Up (less wear and friction)
- Longer Equipment Life Less Downtime
- High Flash Point and Auto Ignition Temperature
- Reduced Likelihood of Compressor System Explosion and Fires
- Better Productivity Safer Operation
- Excellent Air Release Characteristics
- Better Compressor Operation Cleaner Air Less Oil Loss
- Less carry over of Oil in the Compressor
- Low Carbon Forming Tendencies in Piston Compressors
- Increased Operating Time by Eliminating much of the Downtime usually Required for Cleaning Discharge Valves
- Low Maintenance Cost
- Better lubricity and lower volatility than conventional petroleum oils
- Lower lubricant feed rates for compressor cylinders - Less consumption
- Lower operating costs through reduced lubricants make up rates



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PETROFLO SYNTHETIC COMPRESSOR OILS - TYPICAL SPECIFICATIONS									
ISO Grade	ASTM-D	32	46	68	100	150	220	320	460
SAE Grade		10	15	20	30	40	50	60	-
Gravity° API	287	36.1	35.6	35.2	34.6	34	34.3	32.5	32
Flash Point, COC °C/°F	92	230(446)	244(471)	260(500)	260(500)	260(500)	260(500)	260(500)	260(500)
Pour Point, °C/°F	97	-40(-40)	-36(-33)	-38(-36)	-35(-31)	-34(-29)	-34(-29)	-34(-29)	-30(-22)
Viscosity									
cSt@40°C	445	32	46	68	100	150	220	320	460
cSt@ 100°C	445	5.7	7.3	10.4	14.1	19.5	27.0	33.2	43.1
SUS at 100°F	445	161	223	351	534	813	1180	1750	2510
SUS at 210°F	445	45.2	50.5	61.4	75.7	98.0	133	162	212
Viscosity Index	2270	131	131	135	136	140	150	140	140
Color	1500	1.0	1.5	1.5	2.0	3.0	3.0	3.0	3.0
Copper Corrosion 3 h at 121°C	130	1B	1B	1B	1B	1B	1B	1B	1B
Oxidation Stability									
Hours to 2.0 mg KOH/g acid number-a	943	15,000	15,000	13,000	12,000+	12,000+	12,000+	12,000+	12,000+
Minutes to 25 psi pressure drop	2272	1800	1800	1800	2800	2800	2800	2800	2800
Foam Tendency/Stability, mL/mL Sequencel	892	10/0	10/0	10/0	10/0	10/0	10/0	10/0	10/0
Water Separability, Minutes to 0 mL emulsion	1401	15	15	15	15	15	15	15	15

The above analyses are typical inspections only and the finished product may vary from batch to batch.