

SYNTHETIC COMPRESSOR

100% Synthetic Lubricant



Features

- 100% Synthetic based
- Extreme operating temperature range
- Low volatility
- High stability
- Ashless formulation

Benefits

- Up to 9,000 hour operating life
- Cleaner compressor, coolers and valves
- Reduced operating temperature
- Low volume of make-up oil required
- Low volume of waste oil generated
- Excellent efficiency

Irving **SYNTHETIC COMPRESSOR** oils are 100% synthetic-base lubricants specially blended for the proper lubrication of all kinds of compressors over extremely long service intervals.

The synthetic base oils used offer many advantages over more traditional mineral base oils. They have very low pour points yet also have great resistance to high heat, giving long life and stable viscosity, low volatility for less make-up oil in service, and little tendency to form deposits which means cleaner compressors, coolers and valves.

The greatly extended life of synthetic fluid reduces downtime and manpower needed for oil changes and significantly reduces the amount of waste oil generated. Many users have also reported reductions in operating temperatures and energy consumption when compared to mineral oils.

In general, Irving **SYNTHETIC COMPRESSOR** oils should not be mixed with other types of compressor oils. Their high natural detergency also will tend to clean dirty compressors. When changing from another type of fluid to Irving **SYNTHETIC COMPRESSOR** oils, the old oil must be drained while it is hot and all parts inspected for deposits; clean or replace as needed. Low spots in lines should be drained by disconnecting them. Lubricators should be drained and refilled with Irving **SYNTHETIC COMPRESSOR** oil but feed rates need not be altered. Reservoirs should be wiped clean and filters cleaned or replaced. When first running on the new fluid, check filters every shift and replace them if they become plugged. Once established, **SYNTHETIC COMPRESSOR** fluids will keep compressors running clean and trouble-free for many thousands of hours.

For maximum benefit, use Irving Oil's In-service Oil Analysis program to monitor the oil's condition.

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Typical performance results

ISO GRADE	46	68	100
SAE GRADE	15W	20W	30
VISCOSITY (D-445)			
cSt @ 40°C	4.4	64	103
cSt @ -18°C	7.0	7.3	10.8
POUR POINT (°C) (D-97)	-60	-40	-34
FLASH POINT (°C) (D-92)	271	254	235
ASH (% wt.) (D-874)	NIL	NIL	NIL
CONRADSON CARBON (%wt.)	0.01	NIL	NIL
EVAPORATION %			
6.5 Hrs. @ 205°C	3	5	4
DEMULSIBILITY @ 54°C (D-2711)			
mL oil/ mL water/ mL emulsion (minutes)	40/39/1(15)	38/37/5(60)	40/40/0(10)
4-BALL WEAR SCAR DIAM. (mm) (D-4172)			
40 Kg, 1200 RPM, 75°C, 1 hr.	0.5	0.72	0.71

Available sizes & part numbers

Synthetic Compressor Oil	946mL (1 US quart)	3.78L (1 US gal)	18.9 L Pail (5.0 US gal)	205L Drum (54.2 US gal)	500L Cube (132.1 US gal)	1000L Cube (264 US gal)	Bulk
100			F0091040				
46			F0085540	F0019350			
68			F0082040	F0029150			

Check with sales representative or website for the latest product approvals.



Lubricants

www.irvinglubricants.com