



Conversion Procedure

Petroleum-based turbine oil to SynLube 32

This procedure is applicable to all Ingersoll-Rand Centac compressors (except model CV0) which call for an ISO 32 turbine oil lubricant. A compressor unit which has been used for an extended period with petroleum oil is most likely filled with varnish that should be cleaned out during the conversion process.

In keeping with good maintenance procedures, it is always prudent not to mix coolants/lubricants. Some lubricants contain additives or base-stocks which are not compatible with one another.

To convert your I-R Centac centrifugal air compressor to SynLube 32 from a turbine oil lubricant:

1. Operate the unit to bring the complete system up to operating temperature.
2. Shut the unit down, and lockout/tag out power. Close the isolation valve and vent pressure from the unit.
3. Drain all the fluid from the base-plate reservoir, and the drain on the water cooled cooler.
4. Change the coolant filter element.
5. Remove the observation cover from the base-plate and make sure the sump is clean and empty.
6. Fill the unit completely with SynLube 32 (normal fill level).
7. Start unit and check coolant level.
8. Operate the unit under normal service conditions.

To convert your I-R Centac centrifugal air compressor to SynLube 32 from a diester/polyglycol (PAG) blend:

1. Operate the unit to bring the complete system up to operating temperature.
2. Shut the unit down, and lockout/tag out power. Close the isolation valve and vent pressure from the unit.
3. Drain all the fluid from the base-plate reservoir, and the drain on the water cooled cooler.
4. Change the coolant filter element.
5. Remove the observation cover from the base-plate and make sure the sump is clean and empty.
6. Fill the unit completely with SynLube 32 (normal fill level).
7. Start unit and check coolant level.
8. Operate the unit under normal service conditions.

Fluid analysis is recommended every 3 months to verify the condition and remaining life of the fluid. Life expectancy of the SynLube 32 fluid is expected to be in excess of 10 years under normal service conditions.