



Conversion Procedure

Mineral Oils, PAOs, Diester to SynLube P12

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 basestocks which are not compatible with one another.

To convert your rotary screw air compressor to SynLube P12 from a mineral oil, PAO, or diester:

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 the receiver-separator tank. If possible, drain the oil cooler.
4. Change the coolant filter element.
5. Refill the unit to a safe operating level with SynLube P12.
6. Restart and run the unit for one week. During this time, monitor oil filters and change when necessary, as SynLube P12 removes sludge and varnish left by the previous fluid.
7. At the end of one week, change the fluid again (repeat steps 2-5), except this time fill the unit completely with SynLube P12 (normal fill level). If the separator has a high differential pressure (> 8 psi) change it as well.
8. Start unit and check coolant level.
9. Operate the unit under normal service conditions.

To convert your rotary screw air compressor to SynLube P12 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 the receiver-separator tank completely. Drain the oil cooler and fluid lines.
4. Change the coolant filter element.
5. Do a ½ (one half) charge, or minimum safe fill with SynLube P12.
6. Restart and run the unit for one hour then drain the fluid and fill the unit completely with SynLube P12 (normal fill level). If the separator has a high differential pressure (> 8 psi) change it as well.
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.