

3.7 — Refrigerants and Oils for 06CC Compressors

All 06CC compressors are approved for **R-22 except compressors in the 16 to 37 Cfm range. Compressors in this size range cannot be used with R-404A and R-507 prior to Serial No. 2099J ---- without installing a retrofit compressor valveplate (Part No. 06CY660-002) kit.** See Section 3.6 on page 69 for further information about refrigerants and oils.

See Section 3.6 on page 71 for the correct oil for each refrigerant. Contact Carlyle Engineering for correct oil for R-23 and R-508A (SUVA 95).

3.8 — Oil and Refrigerant Change-Out Procedures

To change from a CFC or HCFC to either an HFC or an HCFC blend, follow the refrigerant and oil manufacturer installation procedures. Select a Carlyle approved refrigerant and appropriate oil as noted in Sections 3.6 and 3.7 above. System cleanliness is extremely important. To ensure a trouble-free change out, Carlyle Engineering has made specific guidelines available. We strongly recommend a copy of our guidelines be requested and procedures carefully followed to avoid problems.

3.9 — Oil Viscosity and Pour Points

The viscosity of oils used in Carlyle reciprocating compressors is ISO 68 (centistoke) for all POE oils and 150 Saybolt Seconds Universal (150 SSU or 150 SUS) or ISO 32 for mineral and alkylbenzene oils. Using oil with a different viscosity without approval from the Carlyle Engineering Department will void the warranty.

The oils listed in Sections 3.6 and 3.7 and the viscosity listed above can be used down to -40°F (-40°C). If your system runs at a lower temperature, please contact Carlyle Engineering for an oil recommendation.