

Reservoir Oil

Union Turmaco 15, CAMCO 4600-15 and Exxon Zerice 22 are suitable for most applications. The use of oils with higher viscosities or pour points may shorten seal life. Refrigerant compressors operate at high temperatures and require higher viscosity oils. Refrigeration liquid overfeed and transfer pumps operate cold, and lower viscosities are required; ISO 68 compressor oil are not suitable.

1. For pumpage temperatures below 32°F, Cornell Pump Company recommends the following:

CAMCO 4600-15 UNION TURMACO 15 EXXON ZERICE 22

Viscosity at 100°F, 18.2 cst
Pour Points is -98°F

Viscosity at 100°F, 79SSU
Pour Points is -60°F

Viscosity at 100°F, 112 SSU
Pour Points is -65°F

This list is not exhaustive. Refrigerant oils not included on the preceding list with ISO viscosity grades 15 or 22 and pour points of -60°F or lower may be suitable. The user must determine compatibility of any oils used with other equipment in the refrigeration system.

2. For pumpage temperatures 32°F or higher, Cornell Pump Company recommends the aforementioned oils as well as the following:

TEXACO WF32

Viscosity at 100°F, 154 SSU
Pour Points is -55°F

Or equivalent ISO viscosity grade 32 or lower refrigeration oil