



BULLETIN # 08T-02

Carlyle/RCD Refrigeration Products
PO Box 4808
Carrier Parkway, TR2
Syracuse, NY 13221

SUBJECT: 05TR, 06TA and 06TR Approved Oils Update

DATE: August 20th, 2008
AUTHOR: John Byrnes

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Product Name: 05TR, 06TA and 06TR, 74mm Screw Compressors

DESCRIPTION

In recent years there has been some significant consolidation in the refrigeration lubricants industry. As a result, some lubricant brands have been renamed while others have been discontinued. Many of the lubricant brands involved are mentioned in our Application Literature as being approved for use with Carlyle’s 74 MM Screw Compressors. As a result, there have been many recent questions regarding the proper lubricants to apply. This bulletin is intended to summarize some of the industry changes that have occurred and to clarify the oil types and brands that are approved for use in our 05T / 06TA / 06TR compressor models.

In late 2006, a European specialty chemicals company, CRODA, acquired both the Emkarate[®] and Castrol Icematic[®] SW polyolester (POE) product lines from ICI. Subsequently, some of the Icematic SW brands were discontinued (where there was an equally approved Emkarate brand available). Among those discontinued lubricants are the Castrol SW100 and E100 brands. The Emkarate RL100S was also discontinued. All three of these lubricants have been listed as approved lubricants for the 05T / 06TA / 06TR, 74 MM screw compressors line. These three lubricants have been replaced by the RL100E brand which is considered to be equal to the Castrol E100.

Further, in November 2007, CRODA sold the Emkarate and Icematic POE lubricants business to Lubrizol. Today, Lubrizol owns the Emkarate, Icematic and Solest[®] lubricant product lines.



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The table below summarizes the currently approved lubricants for the 05T / 06TA / 06TR, 74 MM Screw Compressor line.

POE Oil Type	R-404A / R-507 Low & Medium Temp.	R-134A Medium & High Temp.	R-22 Low & Medium Temp.
Emkarate RL100E	Yes	Yes	Yes*
Solest 120	Yes	Yes	Yes*
Solest 170	Yes	Yes	Yes*

Notes: - All listed lubricants are UL Certified
- Solest 120 is considered to be equal viscosity as the POE 100 oils
* **IMPORTANT** - Solest 170 is required for all R-22 applications that do not use an external oil cooler.

As of the date of issue on this Bulletin, RCD/Carlyle does stock the CPI Solest 170 lubricant under the part # SOLEST170-1G.

Feel free to contact Application Engineering at 800-GO-CARLYLE (800-462-2759) if you have any questions on the lubricants referenced in this bulletin.