

INNOVATORS IN REFRIGERATION AND COOLING TECHNOLOGIES



Cimco Refrigeration Oils



Today's Most Advanced
Lubricant Technology

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CIMCO

Protect Your Refrigeration Investment

A quality, clean lubricating oil is essential to compressor performance and long life. Cutting costs by extending oil changes or using inferior lubricants is false economy. What you save now cannot compare to what you will spend in compressor repairs later. Lubricating oil has 5 basic functions.

- ✓ Lubricating
- ✓ Cooling
- ✓ Sealing
- ✓ Cleaning
- ✓ Protecting

Of course, oil alone cannot begin to meet the extraordinarily high demands placed on modern refrigeration compressors. To protect against excessive wear and oxidation, and control acid and deposit formation, scientifically formulated additives are a vital ingredient – additives that are designed specifically to improve and enhance the performance of the lubricating oil.

Factor in today's superior oil separation systems that reduce the need for make-up oil, and it becomes all the more important to select the right oil for your system, and to follow proper oil change and maintenance procedures.

The CIMCO Family of Advanced Lubricants

CIMCO Refrigeration oils are custom blended to exacting specifications to meet the rugged demands of today's high speed reciprocating, rotary or screw compression systems. Each one is a highly refined, chemically inert lubricant, designed solely for use in refrigeration systems. CIMCO offers three superior lubricating oils for today's refrigeration requirements.



CIMCO "A" Oil

The ultimate oil specifically formulated for ammonia systems operating above -42°F (-41°C). CIMCO "A" Oil is a custom blended "HT" (hydro-treated), highly refined, dewaxed, chemically inert lubricant.

It contains additives for oxidation inhibition, corrosion protection, pour-point depression, defoaming and anti-wear.

The high viscosity index of this oil means lower viscosity at low temperatures (easier to drain); higher viscosity at high temperatures (more stable); and ensures up to 50% less oil carryover (less oil and better heat transfer in the evaporator).

If uncompromising quality in an ammonia systems oil is what you demand, the CIMCO "A" is your best lubricant choice.



CIMCO "C" Oil

A premium quality, naphthenic based, multi-purpose oil designed for use in most R717, R12, R22 and R502 refrigeration compressors. CIMCO "C" Oil has a long history of excellent, trouble-free service in

many types of equipment. In addition, it exhibits superior chemical and thermal stability, and low temperature and lubricity characteristics when compared to competitive brands.



CIMCO "D" Oil

Incorporates all of the quality standards of our type "C" Oil in a lower viscosity formulation. It is designed for use in R12 systems operating below -50°F (-46°C) and R22 and R502 systems lower than -70°F (-57°C).

Typical Properties of Cimco Oils

Property	Type A	Type C	Type D
Density:			
Kg/L @ 15 dC	0.869	0.912	0.907
Weight per US gal (lbs.)	7.41	7.6	7.56
Viscosity:			
(Kinematic) cST @ 40 dC	58	54.4	29.8
(Kinematic) cST @ 100 dC	7.9	5.85	4.4
(Saybolt) SUS @ 100 dF	268	257	141
(Saybolt) SUS @ 210 dF	57	45	41
Viscosity Index	104	0	0
Flash Point dC (dF)	236 (457)	182 (360)	188 (370)
Pour Point dC (dF)	-42 (-43.6)	-37 (-35)	-43 (-45)
Specific Gravity	0.87	0.912	0.908
Specific Heat @ 70 dF	0.5	0.433	0.435
Aniline Point dC (dF)	118 (244)	77 (170)	74 (165)
Base Oil Stock	Hydro-treated Parafinic	Napthenic	Napthenic

Note: All figures are typical of normal production and do not constitute a specification.

CIMCO Oils provide:

- ✓ Better Lubricity
- ✓ Lower Maintenance Costs
- ✓ Extended Compressor Life
- ✓ Low Make-up and Carryover
- ✓ Superior Low Temperature Performance
- ✓ Excellent High Temperature Stability



Cimco's oil pump accessory unit makes lubricating your equipment easier and safer than ever before.



Complete with pump, hose and holding bracket, this economically priced package saves you significant time and effort. The unique holding bracket enables you to easily position and mount the pump. The hose connects directly to the compressor fitting, virtually eliminating any spillage problems.

For more information or pricing, please call: 416-465-7581

CIMCO

The Cold Specialists

Design & Engineering

CIMCO has built its reputation by having the best technical sales, manufacturing and refrigeration engineers. From coast to coast, our team of application specialists can draw on over 90 years of experience to design the refrigeration and process

cooling plants that will meet your specific needs. From initial concept, through site supervision, to project commissioning, CIMCO engineers are available to ensure the success of your project.

Manufacturing

We have established our reputation by using the latest manufacturing techniques to produce the world's leading refrigeration equipment. In fact, many of the products that become part of our refrigeration systems are manufactured by CIMCO,

such as: shell and tube heat exchangers; pressure vessels; dehumidifiers; water tanks and pumping sets; microprocessor and relay logic control systems and complete packaged refrigeration and process cooling systems.

Components

At CIMCO, we ensure that every component used in our systems is chosen based on the knowledge gained from past experience. Each product is carefully evaluated, tested and proven before it becomes part of a CIMCO system. From the

compressor, through to the simplest control, each unit is carefully assessed and matched with components of proven dependable performance to keep our clients and their products cool.

Installation & Service

A key aspect of our success has been our experience in preparation, installation, start-up and balancing of our systems. CIMCO offers preventive maintenance and service inspection programs with reliable,

professional follow-up service. When it comes to keeping things cold or on ice, only CIMCO does it better than Mother Nature.

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REFRIGERATION

65 Villiers Street, Toronto, Ontario M5A 3S1
Tel: (416) 465-7581 Fax: (416) 465-8815

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Expect the
best*