



# INDUSTRIAL COMET



## DESCRIPTION

COMET series consists of three grades of quality lubricants manufactured from naphthenic-based oils with excellent low temperature properties for the lubrication of refrigeration systems. They are suitable for use with the refrigerants CFC's and HCFC's (R-12, R-21, R-22) and ammonia. They have very good thermal and chemical stability with very low flock points.

## APPLICATIONS

They are intended for reciprocating and rotary refrigeration compressors where abnormally low ambient temperatures require the use of oils with exceptionally low pour points. They are compatible to use with refrigerant gases such as halogenated hydrocarbons, Freon-12, Freon-21, Freon-22. They are suitable for use in air conditioning systems, room air conditioning units, and cargo refrigeration systems (on-/off-shore applications).

## CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Low pour point and floc points.	Prevents the formation of waxy deposits created in low temperature areas.
High lubrication film strength.	Effectively compressor lubrication.
Very good miscibility with fluorinated hydrocarbon gases.	The oil can be transferred with the refrigerant in low temperature side of the system.
Excellent thermal stability .	Resistance to refrigerant decomposition; Prevents the build up of sludge and deposits.

## PHYSICAL-CHEMICAL CHARACTERISTICS

COMET	METHOD	ISO 46	ISO 68
Density at 15°C, g/cm <sup>3</sup>	ASTM D1298	0,9050	0,9100
Viscosity, Kinematic (cSt) 40 <sup>0</sup> C	ASTM D445	46	65
Viscosity, Kinematic (cSt) 100 <sup>0</sup> C	ASTM D445	5,4	6,8
TAN, mgKOH/gr	ASTM D943	0,04	0,04
Flash point, COC, °C	ASTM D92	180	185
Pour point, C	ASTM D97	-39	-30
Fleon-12 floc point, ° C	FTM 1303	-51	-47
Color	ASTM D1500	1,5	2

The above mentioned characteristics represent mean values.

## SPECIFICATIONS

DIN 51503 KAA, 51503 KA, 51503 KC; ISO 6743-3 (ISO-L-DRA); B.S. 2626/75  
Meets: Bock, Howden, York, Grasson, Carrier, Sabroe