



Technical Product Information

ICH MACHINE OIL

ICE MACHINE, COMPRESSOR, HYDRAULIC AND GENERAL MACHINE OIL

Product Description: Straight medium viscosity index mineral oils manufactured from selected solvent refined naphthenic base stocks with excellent thermal stability, low pour point and low carbon forming characteristics. It has good natural oxidation, corrosion and foam resistance characteristics. Low wax content gives good fluidity at low temperatures.

Features:

- Low cost - economical lubrication.
- Low wax content gives exceedingly low pour point.
- Low carbon residue reduces tendency to form carbon on hot surfaces.
- Multi-use industrial oil.

Typical Uses:

- Used as economical hydraulic oil where non anti-wear oil is permissible and unit is in mild service.
- ISO VG 32, 46 and 68 are commonly used in reciprocating ice machine compressors using ammonia and carbon dioxide as refrigerant.
- NOT recommended for compressors using FREON or other refrigerants where evaporator temperature is below -35° F.
- NOT recommended for reciprocating compressors using SULFUR-DIOXIDE as a refrigerant, these compressors generally use a white oil.
- Other uses include one "once-through" lubrication for high and low speed plain and anti-friction bearings, cross heads, slides, ways, chains, and general machine shop lubricant.

NOTE: ICH OILS ARE NOT RECOMMENDED FOR USE IN HIGH PRESSURE HYDRAULIC PUMPS (800PSI OR GREATER).

Typical Specifications:

GRADE, ISO	32	46	68	100	150
Gravity °API	23.2	23.5	23.8	24.1	24.4
Flash Point, °F.	315	345	360	370	400
Fire Point, °F.	335	385	395	415	459
Pour Point, °F.	-35	-35	-25	-10	-5
Viscosity:					
SUS @ 100 °F.	1,67.0	240	360	530	807
SUS @ 210 °F.	41.7	45.4	48.8	56.4	63.3
cSt. @ 40°C.	32	46	68	100	150
cSt@100°C.	4.6	5.7	6.7	8.9	10.8
Color, D-1500	2.5	3.0	3.5	4.0	4.0

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY.