



HARP LUBRICANTS – TECHNICAL DATA SHEET

HARP MINERAL OILS

Harp International Limited offers a complete range of lubricants for the refrigeration and air conditioning industry. Harp's mineral oil (MO) series of products are made from naphthenic base crudes that are highly refined to provide proper lubrication in refrigeration and air conditioning systems.

The HARP MO series offers excellent chemical stability when in the presence of refrigerant and other compressor materials. The formulations have good thermal stability to ensure superior performance at high compressor operating temperatures as well as excellent low temperature properties to prevent congealing in the system evaporator. The oils are also wax-free to prevent floc problems in the evaporator and expansion valve.

PRODUCT TECHNICAL DATA

Property	HARP Mineral Oil Range			
	Harp MO32	Harp MO68	Harp MO100	Harp MOAB150
Viscosity:				
at 40°C (cSt)	29.55	59.7	96.8	29.6
at 100°C (cSt)	4.43	6.35	9.00	4.49
at 100°F (SUS)	154	314	515	158
Floc Point (°F)	-60	-55	-35	-65
Floc Point (°C)	-51.1	-48.3	-37.2	-53.9
Pour Point (°F)	-50	-30	-20	-47.5
Pour Point (°C)	-45.6	-34.4	-28.9	-44.2
Colour	<1.0	<1.5	<2.0	<1.0
Flash Point (°F)	345	375	400	365
Flash Point (°C)	174	191	204	185
Dielectric strenght (KV)	25	25	25	25
Specific gravity @ 60°F (g/cm³)	0.910	0.921	0.916	0.894
Analine Point (°F)	175	177	197	ND
Analine Point (°C)	79.4	80.6	91.7	ND

note: all values listed are typical properties

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