United Oil
PERFORMANCE • VALUE • RELIABILITY

UNITED VESTA SX REFRIGERATION OIL

Product Description:

United Vesta SX Refrigeration Oil is a naphthenic-based compressor oil with superior anti-oxidation properties. In comparison to paraffinic based lubricants which form larger amounts of hard carbons under heated environment, naphthenic-based lubricants forms smaller amounts of soft fluffy carbon. Besides its deposit control characteristics, it is also non-reactive with coolant compounds which typically found in refrigeration compressors.

United Vesta SX Refrigeration Oil is compounded from highly refined, low pour point oils with low wax forming tendencies and good water separation properties.It contain additional anti-oxidant which prolong the oil life. It is also thermally stable and has good chemical stability with most conventional refrigerant other than Hydrofluorocarbons (HFCs).

United Vesta SX Refrigeration Oil is specially formulated for reciprocating and rotary refrigeration compressors in air conditioning systems or refrigeration systems with chlorofluoro-carbons (CFCs) (eg. R12); ammonia (eg. R717); hydrochlorofluorocarbons (HCFCs) (eg. R22); carbon dioxide (CO_2) (eg. R744); sulfur dioxide (SO_2) or ethylene chloride ($C_2H_4Cl_2$) as refrigerant. However it is not suitable for systems containing HFC refrigerants (eg. HFC 134a).

Applications / Benefits:

- Excellent oxidation resistance reduces oil thickening, ensuring extended oil change intervals.
- Non – reactive with conventional refrigerants.
- Minimizes deposit formation.
- Good lubrication properties and good low temperature fluidity.

Typical Characteristics:

Test Description	Method						
ISO Viscosity Grade	-	**15**	**32**	**46**	**55**	**68**	**100**
Specific Gravity @ 15 ºC	ASTM D 4052	0.876	0.910	0.912	0.912	0.914	0.915
Flash Point, ºC	ASTM D 92	178	204	210	205	200	200
Pour Point , ºC	ASTM D 97	-45	-39	-36	-36	-33	-30
Pour Point , ºF	ASTM D 97	-49	-38.2	-32.8	-32.8	-27.4	-22
Kinematic Viscosity, cSt @ 40ºC	ASTM D 445	14.8	33.2	48.5	55.1	69.6	96.7
cSt @ 100ºC	ASTM D 445	3.09	4.71	5.78	6.25	7.16	9.90
Viscosity Index	ASTM D 2270	42	22	30	33	38	75
Color	ASTM D 1500	<0.5	<0.5	0.5	<1.0	<1.5	<2.0

Product Data Sheet

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