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POWER UP
WWW.POWERUP.COM.MY

Certificate No. 601224

Power Up Heat Transfer Oil

Product Description:

Power Up Heat transfer oil is designed to provide good service in many applications. The heat transfer oil is blended with synthetic oil and quality additive to provide the best oxidation inhibitors to enhance high temeprature performance and stability. This allows the oil to last longer and minimizing sludge formation that can make the heat transfer not efficient.

Applications / Benefits:

- Blended with naturally high VI base oils.
- Contains high temperature oxidation inhibitors.
- Minimizes deposit formation.
- Long fluid life.

Typical Characteristics:

Test Description	Method	22	32	46	68	100
ISO Viscosity Grade	-					
Specific Gravity @ 15 ºC	ASTM D 4052	0.854	0.863	0.869	0.872	0.873
Flash Point, ºC	ASTM D 92	210	220	225	228	238
Pour Point , ºC	ASTM D 97	-24	-24	-21	-18	-18
Kinematic Viscosity, cSt @ 40ºC	ASTM D 445	22	32	46	68	100
cSt @ 100ºC	ASTM D 445	4.47	5.34	6.69	8.61	11.3
Viscosity Index	ASTM D 2270	115	98	97	97	98
Color	ASTM D 1500	<0.5	<0.5	<0.5	<0.5	<0.5
Coefficient of Thermal Expansion	per ºc	0.0074	0.00076	0.00077	0.00078	0.00079

Specific Heat Capacity

Temperature, °C	25	100	150	200	250	300
ISO 22 Specific Heat Capacity, kJ/kg·°C	1.82	2.08	2.21	2.49	2.73	2.91
ISO 32 Specific Heat Capacity, kJ/kg·°C	1.89	2.17	2.33	2.51	2.72	2.88
ISO 46 Specific Heat Capacity, kJ/kg·°C	1.95	2.21	2.36	2.52	2.7	2.87
ISO 68 Specific Heat Capacity, kJ/kg·°C	1.97	2.24	2.41	2.53	2.67	2.85
ISO 100 Specific Heat Capacity, kJ/kg·°C	1.99	2.27	2.45	2.55	2.65	2.82

Max. Film Temperature, °C	340
Max. Bulk Temperature, °C	320