

Product Data Sheet

Maxim HT

High Performance, Long Life Heat Transfer Oil

Maxim HT is a Heat Transfer fluid formulated from selected highly stable base stocks blended with anti-oxidation additives. The result is a finished product, which is minimum deposit forming, has long life, protects pump components from wear and is also thermally stable.

Applications:

Maxim HT is suitable for all heat transfer systems and thermal heating systems such as industrial process manufacturing.

Maxim HT results in longer drain intervals as a result of high resistance to deposit formation, thermal cracking and outstanding oxidation stability.

Typical Characteristics:

	ISO:	32	46	68	100
Density at 15°C (kg/L)		0.855	0.86	0.87	0.88
Flash Point COC (°C)		211	217	220	222
Pour Point (°C)		-16	-12	-12	-10
Kinematic Viscosity at 40°C mm ² /s (cSt)		28	42	55	95
Kinematic Viscosity at 100°C mm ² /s (cSt)		5.0	6.4	7.7	10.8
Viscosity Index		104	101	103	97
Copper Corrosion (ASTM D130)		1b	1b	1b	1b

*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute a legal liability.

Product Code: 7100-7103

Product Size: 20L, 205L, 1000L

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Design Data Maxim HT 32:

Temperature °C	40	100	150	200	210	220	230	240	250
Viscosity cSt	28	5	2.3	1.34	1.24	1.14	1.06	0.99	0.93

Temperature °C	0	20	50	100	150	200	250	300	320
Specific Heat (Kcal/kg,°C)	0.431	0.448	0.474	0.517	0.561	0.604	0.648	0.691	0.708

Coefficient of Thermal Expansion **0.0008**
Per °C

Lowest starting temp °C

Centrifugal pump -17
Gear Pump -21

Recommended operating temp °C

Continuous operation 320
Maximum 340

Design Data Maxim HT 68:

Temperature °C	40	100	150	200	210	220	230	240	250
Viscosity cSt	55	7.8	3.2	1.79	1.63	1.49	1.38	1.27	1.19

Temperature °C	15	20	40	100	150	200	250	300	330
Density	0.87	0.867	0.855	0.819	0.789	0.759	0.729	0.699	0.681

Coefficient of Thermal Expansion 0.0006
Per °C

Temperature °C	15	20	40	150	177	204	232	260	288
Vapour pressure mg Hg				0.1	0.5	1.7	5	15	35

Lowest starting temp °C

Centrifugal pump -7
Gear Pump -10

Recommended operating temp °C

Continuous operation 310
Maximum 330

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Storage:

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.

Health, Safety and Environment:

A Safety Data Sheet (SDS) is available for each product. Users should consult the SDS, and follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

The Safety Data Sheet is available at Royal Precision Lubricants website www.royallubricants.com.au or by email: info@royallubricants.com.au

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