

Majestic™ BTU Hydrosynthetic® Heat Transfer Oils

 Lubricants for a Healthier Planet™

Majestic™ BTU Hydrosynthetic® Heat Transfer Oils provide outstanding resistance against oxidation, carbonizing, and coking, while providing excellent thermal conductivity over a wide range of temperatures. Available in FOUR FORMULATIONS to meet the performance, health, environmental and safety specifications of a wide range of heating and cooling applications.



Majestic BTU does not require special handling and is not considered a “controlled substance” under U.S. OSHA regulations. Hydrotex BTU may be responsibly disposed through used-oil recyclers.

IMPORTANT NOTE: **Majestic BTU Hydrosynthetic Heat Transfer Oil** should be used in heat transfer systems with forced oil circulation. Adequate flow rates must be maintained to prevent localized “hot spots” of overheating that can cause degradation of fluid.

PRODUCT ATTRIBUTE	TEST METHOD	TYPICAL PROPERTIES			
		BTU-10	BTU-15	BTU-20	BTU-30
ISO Grade	ASTM D2422	32	46	68	100
Kinematic Viscosity, cSt @ 40°C	ASTM D445	32	46	68	100
Kinematic Viscosity, cSt @ 100°C	ASTM D445	5.39	6.9	8.8	11.48
Viscosity Index No.	ASTM D2270	103	104	102	102
Density, kg/L @ 15.5 °C	ASTM D1298	0.865	0.868	0.875	0.876
Density, lb/gal. @ 60 °F	ASTM D1298	7.2	7.24	7.28	7.29
Pour Point, °F (°C)	ASTM D97	-5.8 (-21)	-0.4 (-18)	-0.4 (-18)	5 (-15)
Flash Point, °F (°C)	ASTM D92	423 (223)	448 (231)	480 (249)	509 (265)
Auto-Ignition, °F (°C)	ASTM E659	600 (315)	630 (332)	680 (360)	680 (360)
Vapor Pressure	ASTM D2879				
kPa (psia) @ 38°C		0.00	0.00	0.00	0.00
kPa (psia) @ 204°C		0.44 (0.063)	0.44 (0.063)	0.42 (0.062)	0.4 (0.06)
kPa (psia) @ 260°C		2.66 (0.39)	2.64 (0.39)	2.6 (0.38)	2.5 (0.35)
kPa (psia) @ 316°C		11.4 (1.66)	11.4 (1.66)	11.1 (1.62)	11 (1.59)
Thermal Expansion, %/°F		0.0555	0.0555	0.0557	0.0560
Thermal Conductivity	ASTM C1113				
W/m-K (Btu/h-ft-F) @ 38°C		0.141 (0.081)	0.141 (0.081)	0.140 (0.081)	0.140 (0.081)
W/m-K (Btu/h-ft-F) @ 204°C		0.132 (0.076)	0.132 (0.076)	0.131 (0.076)	0.130 (0.075)
W/m-K (Btu/h-ft-F) @ 260°C		0.128 (0.075)	0.128 (0.075)	0.127 (0.074)	0.127 (0.074)
W/m-K (Btu/h-ft-F) @ 316°C		0.126 (0.074)	0.126 (0.074)	0.124 (0.073)	0.123 (0.071)
Specific Heat, kJ/kg-K (BTU/lb-F) @ 316°C	ASTM E1269	2.88 (0.688)	2.95 (0.700)	2.98 (0.712)	3.00 (0.720)
GM Quenchometer, sec	ASTM D3520	13.5	13.8	14.1	16.5
Color		Light Amber	Light Amber	Light Amber	Light Amber

WARRANTY:

When properly stored and used in accordance with instructions, any material not satisfactory will be replaced with any product in our line on a dollar for dollar basis provided the account is paid in full when due and Hydrotex is notified in writing within 12 months of the date of the order by the customer.

Hydrotex® is a manufacturer and distributor of high performance lubricant and fuel improver solutions. As an employee owned company, we help our customers develop sustainable solutions designed to improve system reliability, save energy, limit pollution, extend fixed asset life, reduce maintenance costs and improve fuel efficiency. Our products and services leverage over 80 years of innovation resulting in superior lubrication solutions and high touch customer service.