CITGO[®] Hytherm[®] Oil 46



	• A premium-quality heat transfer oil formulated with high viscosity index, paraffinic base stocks and a special high-temperature detergent/dispersant additive package.
FEATURES & BENEFITS	 Highly efficient heat transfer due to high specific heat and good thermal conductivity at all temperatures. Contains rust and oxidation inhibitors. A special additive package helps maintain system cleanliness and operational performance, reducing downtime and maintenance costs.
APPLICATIONS	 Meets the exacting requirements of both open and closed heat transfer systems, at temperatures up to 600°F. Refer to equipment owner's manual for proper lubricant recommendation.

CITGO HYTHERM [®] OIL 46 PHYSICAL DATA					
Temp., °F	Specific Gravity	Specific Heat BTU/Ib/°F	Thermal Conductivity BTU/hr/ft ² /°F	Viscosity cSt	
60	0.871	0.442	0.0790	175	
100	0.857	0.463	0.0770	51	
200	0.824	0.517	0.0738	8.0	
300	0.792	0.570	0.0715	2.9	
400	0.761	0.624	0.0697	1.6	
500	0.731	0.678	0.0675	1.0	
600	0.697	0.732	0.0647	0.8	

CITGO Petroleum Corporation Houston, Texas Customer Service Line 1-800-331-4068 LubesCS@CITGO.com Product Answer Line 1-800-248-4684 lubeshelp@CITGO.com

Online at www.CITGOLubes.com

PROPERTIES

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Typical Properties for Hytherm Oil 46:

ISO VIS Grade (SAE Grade)	48
Material Code	637130001
Gravity, ASTM D4052, °API	31.5
Density, lb/gal at 60°F	7.25
Flash Point, ASTM D92, °F	453
Viscosity ASTM D445	
cSt at 40°C	48.5
cSt at 100°C	7.0
Viscosity Index, ASTM D2270	100
Pour Point, ASTM D97, °F	16
Color, ASTM D1500	2.0
Acid No., ASTM D974	<0.01
Volume Factor, % per °F	0.033
Distillation, °F, ASTM D2887, IBP, °F	650
5%	734
10%	771
50%	858
95%	944

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Manufactured in USA

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