

PRODUCT DATA SHEET



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S-HITOP 220 **HIGH TEMPERATURE** **CHAIN LUBRICANT**

PRODUCT DESCRIPTION

Sentinel's S-HITOP 220 has been designed with a unique patent pending, high flash point premium polyolester based fluids unavailable elsewhere. The unique polyolester used to manufacture S-HITOP 220 is specifically designed to lubricate bearings, chains, slides and gears in applications where air temperatures exceed 260°C (500°F).

S-HITOP 220 has been formulated with Sentinel's newest proprietary additives that optimize the performance and stability of the lubricant.

Sentinel's S-HITOP 220 is designed to provide outstanding thermal and oxidative stability, excellent anti-wear properties, and low volatility. In addition, sludge and carbon deposits are significantly reduced since S-HITOP 220 does not contain a solid anti-wear additive.

S-HITOP 220 permits higher operating temperatures and/or extended cleaning intervals. It also provides excellent protection against wear and rust. The good viscosity index of S-HITOP 220 allows functional viscosities to be maintained at higher temperatures.

FEATURES	BENEFITS
Excellent High Temperature Stability	Minimizes carbon and varnish deposits
Ash-less	Extends cleaning intervals and eliminates potential contaminants
Outstanding Solvency	Reduces wear and improves chain life
Low Volatility	Reduces consumption, smoking, fire hazard
Energy Efficient	Reduces energy consumption which extends intervals between relubrication
High Flash Point	Fire and explosion are reduced
Easy to apply	No mixing required. Just drip, spray, splash, pump or automatic dispensing oil use

TO ORDER or FOR ADDITIONAL INFORMATION

Sentinel Lubricants Corp.

P.O. Box 69-4240 Miami, FL 33269-1240

15755 NW 15th Ave Miami, FL 33169-5603

Tel: (305)625-6400 (800)842-6400 Fax: (305)625-6565

www.sentinel.synthetic.com



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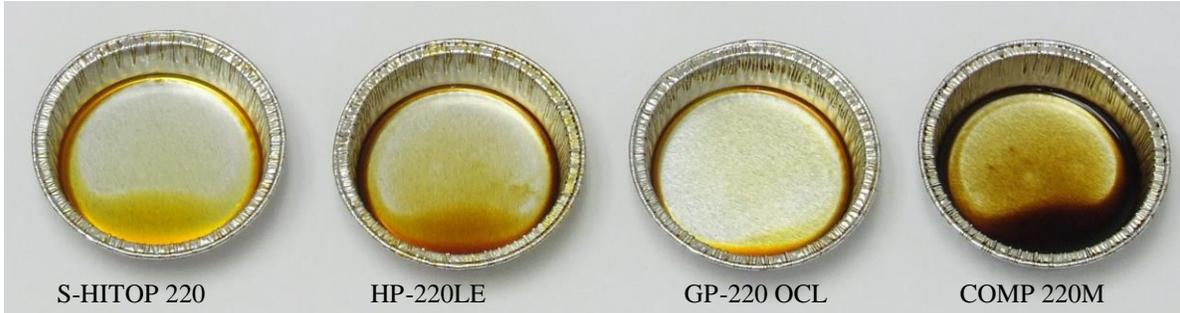


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S-HITOP 220 HIGH TEMPERATURE CHAIN LUBRICANT

OVEN PAN TEST

Test 57
4/4/11
220°C
92 hrs
562-157



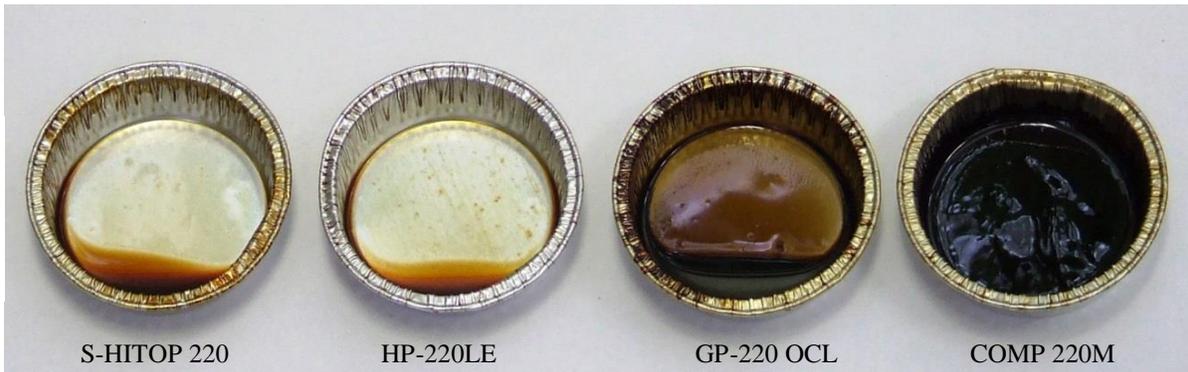
S-HITOP 220

HP-220LE

GP-220 OCL

COMP 220M

Test 58
4/5/11
240°C
44 hrs
562-159



S-HITOP 220

HP-220LE

GP-220 OCL

COMP 220M

Test 55
3/29/11
260°C
20 hrs
562-153



S-HITOP 220

HP-220LE

GP-220 OCL

COMP 220M

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S-HITOP 220 HIGH TEMPERATURE CHAIN LUBRICANT

TYPICAL CHARACTERISTICS

ISO Grade	220	ASTM D-2422
Viscosity cSt 40°C	220	ASTM D- 445
100°C	19	
Viscosity Index	95	ASTM D-2270
Flash Point °C (°F)	305 (581)	ASTM D- 92
Fire Point °C (°F)	340 (644)	ASTM D- 92
Pour Point °C (°F)	-20 (-4)	ASTM D- 97
RBOT 150°C (min)	1180	ASTM D-2272
4 ball wear 600 rpm 200°C	.38	ASTM D-4172
Weight loss 22 hrs 204°C	1.7	ASTM D-2595
Weight loss 20 hrs 260°C	40	
Residue 20 hrs 260°C	27	
PIN#		

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