

# SELCO SF - 600

## SYNTHETIC HIGH TEMPERATURE CHAIN LUBRICANT

### GENERAL DESCRIPTION :

SF-600 is a high temperature lubricant which has been specifically formulated with synthetic base stocks having unusually high temperature lubricating capability. Careful selection of additives result in a fluid which resists high temperature decomposition and prevents the formation of sludge or carbon normally produced by petroleum based products. This results in longer equipment life, less maintenance, better efficiency, while costly downtime is significantly reduced.

### RECOMMENDED USAGE :

SF-600 is excellent for tenter frame ovens, ceramics production and glass production. It is equally recommended for paint curing ovens, paper manufacturing, plywood production and can also be used as a bearing lubricant in high temperature environments.

### PROVEN BENEFITS :

- ◆ Excellent high temperature oxidation resistance.
- ◆ Superior thermal stability for prolonged lubricant life.
- ◆ Extremely low volatility/less lubricant consumption.
- ◆ Outstanding anti-wear properties/reduced chain drag.

### PROPERTIES :

	TYPICAL VALUE		TEST METHOD
	A	B	
Viscosity CST			ASTMD-445
100 <sup>0</sup> C	13	16.0	
40 <sup>0</sup> C	180	220	
Pour Point (° C)	-28	-10	ASTM D-97
Flash Point (° C)	278	278	ASTM D-92
Specific Gravity, 60/60 <sup>0</sup> F (15.6/15.6 <sup>0</sup> C)	0.965	0.965	ASTM D-1298

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**THERMAL STABILITY OF SELCO SF-600 & A COMPETITIVE SYNTHETIC CHAIN LUBRICANT**

	<u>COMPETITIVE SYNTHETIC CHAIN LUBRICANT</u>	<u>SELCO SF-600</u>
Viscosity increase, 210 <sup>0</sup> F.(98.9 <sup>0</sup> C), %	+ 6.40	+ 2.59
Wt. Loss, %	- 4.67	- 0.98

1. Test samples maintained at 300<sup>0</sup> F. (140<sup>0</sup> C.) for 48 hrs.

**SELCO THERMOGRAVIMETRIC EVALUATION 1 OF SF-600 AND A COMPETITIVE SYNTHETIC CHAIN LUBRICANT**

	<u>COMPETITIVE SYNTHETIC CHAIN LUBRICANT</u>	<u>SELCO SF-600</u>
Temperature, <sup>0</sup> C ( <sup>0</sup> F) @		
10% sample weight loss	280 (536)	320 (608)
50% sample weight loss	325 (617)	365 (689)
90% sample weight loss	345 (653)	385 (725)

1. Test sample temperature were increased at a rate of 10<sup>0</sup> C.(50<sup>0</sup> F)/min. in a nitrogen atmosphere.