NYCOLUBE 5950 FG

FOOD GRADE HIGH TEMPERATURE CHAIN OIL

NSF H1 registered, acceptable for incidental food contact

DESCRIPTION

NYCOLUBE 5950 FG is an ISO VG 220, high performance, high temperature chain oil that is NSF H1 registered, as an acceptable lubricant with incidental food contact.

NYCOLUBE 5950 FG is composed of NSF HX-1 registered neopolyol esters and additives. It demonstrates outstanding performance in thermo-oxidative resistance and cleanliness.

APPLICATIONS

NYCOLUBE 5950 FG is specifically recommended in high temperature chain oils used in the food industry, where incidental contact of oil with food may occur.

NYCOLUBE 5950 FG may be used on equipment running at temperatures of up to 280°C.

NYCOLUBE 5950 FG combines:

- Outstanding high temperature and lubricity performance : low volatility, good resistance to thermo-oxidation and low deposit formation
- Safety in food processing areas thanks to its NSF registration and high flash point

BENEFITS

- Superior cleanliness
- Durability thanks to low volatility and thermo-oxidation resistance
- Good lubricity
- Added fire safety
- Acceptable for incidental food contact applications, Star-K Kosher (Pareve) and Halal certified

Nonfood Compounds Program Listed

http://info.nsf.org/usda/psnclistings.asp

The values above are typical values. They do not constitute any contractual commitment.
Sales specifications are available on request. The present technical data sheet replaces all the previous editions.

TNL5950FG-1E3a

NYCO 66 avenue des Champs Elysées BP 414 - 75366 PARIS CEDEX 8 France | Tél. : +33 145 615 000 | Fax : +33 145 615 013 | E.mail : info@nyco.fr | www.nyco.fr

NYCOLUBE 5950 FG

Properties	Unit	Typical Result	Test method
NSF registration number	-	153215	-
Appearance	-	Clear, bright and free from sediments and other impurities*	Visual examination
Colour GARDNER	-		ISO 4630
Density at 20°C	kg/dm^3	0.962	ISO 12185
Flash point COC	°C	296	ISO 2592
Pour point	°C	-21	ISO 3016
Kinematic viscosity at 100° at 40°C	mm²/s	 18.7 219	ISO 3104
Viscosity Index	-	95	ISO 2909
Acid number (pH=11)	mg KOH/g	0.3	ISO 6619
Evaporation, 6 h – 200°C	%m	0.4	ASTM D972
Steel corrosion	-	Pass	ISO 7120A
Copper corrosion	-	1b	ISO 2160
4 ball Wear Scar 1 h – 392 N	mm	0.42	ASTM D4172
4 ball Weld Load	kg	126	ASTM D2783

(*) colour may change from yellow to slightly red with sunlight with no impact on product performance

	PRODUCT A	PRODUCT B	PRODUCT C	NYCOLUBE 5950 FG
GFC Lu-27-A-13, Micro-Coking Test, 230-280°C				
Deposit temperature	246,00	273,00	230,00	>280
Average merit	9,20	9,78	9,14	10
				
GFC Lu-27-A-13, Micro-Coking Test, 250-300°C				
Deposit temperature	< 250	<250	<250	<250
Average merit	7,95	7,68	6,78	8,17
				

In the above micro-coking test, NYCOLUBE 5950 FG outperforms top tier products available on the market. It provides superior cleanliness properties, especially in the 230-280°C temperature range.

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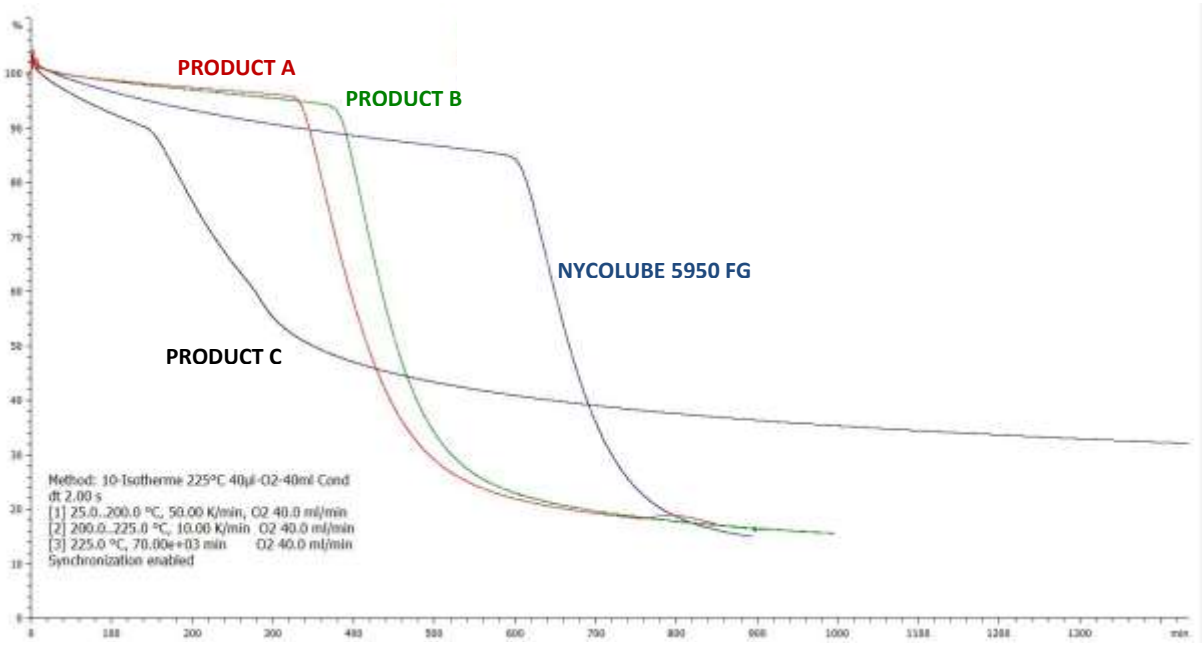

Isothermal thermo-gravimetry – 225°C - O_2

In the above mass loss test, high temperature chain oils tend to show evaporation phases followed by rapid decomposition, potentially leaving residue.

NYCOLUBE 5950 FG shows moderate evaporation, and lasts significantly longer than the other products, before decomposing cleanly, leaving little residue.