

Description

Syntech Food HTCL 220 food grade High Temperature Chain Lubricant is based on highly polar biodegradable base oil and is inhibited against oxidation to give a long wet film life at high temperatures. The highly polar molecules strongly adhere to the surface and withstand high temperatures, at the same time separating the moving parts due to its highly viscous lubricating film maintained at these high temperatures. Syntech Food HTCL 220 is designed for the lubrication of conveyor chains and bearings running continuously at high temperatures, up to 300°C, and short periods up to 320°C, on textile stenters, drying machines, bakery ovens and on paint stoving chains.

Outstanding Features

- Long fluid life at high temperatures, which provides maximum lubricant economy
- Does not form hard carbon deposits (See photo attached below)
- Excellent load and anti-wear properties (Anti-wear test at 50kg for 2 hrs of std test 40 for 1 hr)
- Miscible with most ester based fluids
- Highly polarised molecules providing excellent lubricity

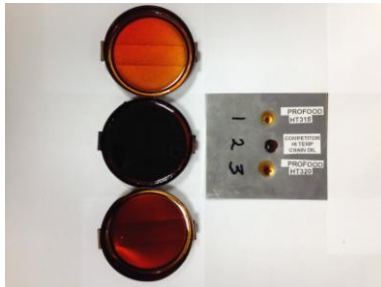
Directions for use

Although usually applied by automatic lubricators, Syntech Food HTCL 220 can be applied by hand if so desired

Technical Data (typical values)

Appearance	- Clear liquid
Viscosity @ 40°C	- 220 cSt.
Viscosity @ 100°C	- 19 cSt.
Viscosity Index	- 95
Pour Point	- -25°C
Specific Gravity	- 0.98
Noack Weight Loss after 1 Hour at 250°C	- <2.0%
Shell 4 Ball (IP239)	
Weld Load	- 200kg
Scar Diameter 50kg for 2Hr	- 0.40mm
Temperature Range	- -20 to 300°C
	- Up to 320°C for short periods.
Flash Point (COC) °C min ASTM D92	- 300°C
Auto ignition temperature ASTM D2155-66	- >350°C

All ingredients are FDA listed, and meets the USDA 1998 H1 Guidelines. This product contains no genetically mod ingredients and does not contain any nut oil or derivatives, Syntech Food HTCL 220 H1 registered.



High Temp Carbonisation test