



The Ultimate Lubricant

585



Nonfood Compounds Program Listed
Category Code : H1
Registration Number : 165230

DESCRIPTION:

Omega 585 is an advanced, new, **All-Synthetic** Food Grade Chain & Gear Oil that provides for extended lubrication intervals by virtue of its high performance blend of additives that have been thoroughly inspected and tested for purity. Unlike ordinary chain oils that are used in food and beverage plants, Omega 585 can be left on treated parts and does not have to be flushed and steam-cleaned off daily, since it is officially-approved as a lubricant suitable for use in all types of food & beverages manufacturing equipment. Being fully synthetic, Omega 585 does not contain any mineral oil, polycyclic aromatic hydrocarbons or potentially harmful constituents.

DYNAMIC QUALITIES:

Omega 585 clings tenaciously to applied parts and outperforms virtually all high performance lubricants used for food machinery. It features both a high Flash Point and an ultra low Pour Point and its extended service temperature range is from -30° to 240°C (-22°to 460°F). It therefore provides superior lubrication performance in both high heat equipment - such as bottling, canning and cooking equipment, and also in "reefer" (refrigerated) equipment, cold rooms and ice-making plant equipment.

This in-built versatility, combined with Omega 585's high performance specifications, make it the lubricant of choice for use throughout most food plants, on all types of equipment, including chain drives, conveyor systems, belt pulleys & bearings, guide ways, gear systems, baking oven chains, for drip feed or oil-bath applications as well.



"PURE" PERFORMANCE:

Omega 585, in addition to providing exceptional anti-wear qualities due to its high lubricity, also provides exemplary rust prevention protection on applied parts and equipment. This is an important consideration, especially for food and beverage plant applications due to the high amounts of residual food extracts and acids, vegetable oils, fruit and citric acids plus the high humidity common to such environments.

Furthermore, Omega 585 is highly stable and therefore is not susceptible to adverse reaction or degradation when subjected to contamination with food processing waste, superheated steam, carbonating gases, and strong, natural or artificial seasonings, etc.



TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT	
		ISO VG220	ISO VG460
Appearance	Visual	Off Color/ Water White	Off Color/ Water White
Density, kg/L @ 15°C	D-1298	0.852	0.908
Viscosity, cSt @ 40°C	D-445	220	460
Viscosity, cSt @ 100°C	D-445	23.7	47.7
Viscosity, cSt @ -30°C	Calc.	98,000	N.A.
Viscosity Index	D-2270	135	141
Flash Point, COC, °C(°F)	D-92	210(410)	219(426)
Pour Point °C(°F)	D-97	-36(-33)	-36(-33)
Total Acid Number, mg KOH/g	D-974	0.7	0.7
Carbon Residue, Conradson, %	D-524	0.02	0.02
Foaming Characteristics:-			
All Sequences, After Settling	D-892	Nil	Nil
Rust-Preventing Characteristics	D-665	Nil	Nil
Copper Strip Corrosion, 3 hours @ 100°C	D-130	1b	1b
FZG Gear Test, Failure Stage Load	DIN 51354	12	12
Evaporation Loss, 6.5 hours @ 205°C, % Mass	D-972	4.0	4.0

The characteristics given above are typical of current production only and slight batch to batch variations should be expected.