580

Omega
The Ultimate Lubricant

Nonfood Compounds
Category Code : H1
Registration Number : 130633

DESCRIPTION:

Omega 580 heralds "the" important scientific breakthrough into the field of high purity lubrication. It features an additive formulation so unique that it has virtually no competition in its operating capabilities - where only the purest, cleanest lubrication is demanded. Omega 580 sets new standards of performance by which future high-purity lubricants will be measured.

PREMIUM QUALITY INGREDIENTS:

Omega 580 contains such a highly-advanced and sophisticated additive formulation that they were individually tested by the United States Department of Agriculture, who approved each and every additive!

SUPERIOR TO ORDINARY "PURE" GRADE OILS:

Ordinary so-called "pure" oils are known under a variety of names such as "Pure White" or "Pure Mineral" or "Medical" or "Pharmaceutical Grade", etc.

However they lack any effective additive inclusion because ordinary additives are toxic and would render the oil unsuitable for high purity applications. The result is that these ordinary "pure" oils provide extremely limited performance, lack stability, are easily "worn", foam excessively and oxidize rapidly. They require frequent changing and do not offer performance anywhere comparable to that of ordinary oils used in non - high purity applications.

Omega 580, on the other hand, is based on a completely new additives chemistry that is completely non-toxic and gives it extraordinary performance capabilities over ordinary "pure" oils.

USDA-APPROVED ADDITIVES:

Omega 580 contains anti-foam agents, a highly effective oxidation inhibitor and supplementary antiwear agents. In addition, a special bactericide is added to enhance purity and keep the harmful bacteria count extremely low. These additives packages are so advanced that no ordinary pure oil contains them.

Most importantly, they enable Omega 580 to easily outperform ordinary pure oils under service conditions. (Due to the very high concentration of proprietary additives in Omega 580, there may be a very slight degree of sedimentation.

This does not impair the product's performance to any detrimental degree).

USES:

Due to the effective additives package in Omega 580, it will outlast and outperform ordinary "pure" oils in any application demanding pure grade oils. In addition, Omega 580 can be used in compressors, pumps, vacuums, hydraulic systems, chains and conveyors where incidental food contact is encountered.

Omega 580 is recommended for use in food processing plants, abattoir equipment, bottling machinery, hospital equipment, canneries, pharmaceutical manufactories bakeries, cosmetics factories, research laboratories and all types of machinery and equipment that demand the use of pure oil grades.

OPIM580-1	Ver. 2.0	Rev. 3.0
Rev. Date: 2 Jan 2019		
Reference: CKL		

TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT
		SAE 20
ISO Viscosity Grade	D-2422	68
Appearance	Visual	Off Color/Water White
Density, Kg/L @ 15°C	D-1298	0.884
Viscosity, cSt @ 40°C	D-445	68
Viscosity, cSt @ 100°C	D-445	8.4
Viscosity Index	D-2270	92
Flash Point, COC, °C	D-92	205
Pour Point, °C	D-97	-12
Total Acid Number, mg KOH/g	D-974	0.8
Foaming Characteristics -		
All Sequences, After Settling	D-892	Nil
Copper Strip Corrosion, 3 Hours at 100°C	D-130	1a
Rust-Preventing Characteristics	D-665	Pass
FZG Gear Test, Failure Stage Load	DIN 51354	12
Ash, % Mass		Nil
Zinc, % Mass		Zinc Free