

TECHNICAL DATA SHEET



Product code: see below table

Sector: Industrial
Food Grade

Issue No: 5

Issue Date: 28/10/24

MILLFOOD MP SYNTH

Food grade, multipurpose PAO oil with outstanding oxidation resistance, ideal for use in hydraulic systems and compressors.

Application

Ideal for the lubrication of hydraulic systems and compressors in the food, drink, pharmaceutical and processing, packaging industries requiring food grade products. Also recommended for non-food grade applications where a non-staining oil is required. For best results, purge the system of previous oil prior to filling with Millfood MP Synth.

Features & Benefits

- Excellent lubrication properties reduce wear to extend equipment life.
- Extremely low foaming formulation reduces residue, varnish and sludge formation.
- Demulsification properties ensure quick water separation for maintained lubrication efficiency.
- Outstanding oxidation and thermal stability gives extended service intervals: 8000 hrs in compressor applications.
- High viscosity index ensures consistent performance over a wide operating temperature range.
- All ingredients are FDA listed; Millfood MP Synth is NSF H1 registered.
- Contains no genetically modified ingredients and does not contain any nut oil or derivatives.

Typical Characteristics

Millfood MP Synth	32	46	68	100
Appearance	Clear fluid			
Base Oil	Poly alpha olefin (PAO)			
Specific Gravity @ 15°C	0.829	0.833	0.837	0.838
Kinematic Viscosity @ 100°C	6.1cSt	8.2cSt	10.4cSt	14.0cSt
Kinematic Viscosity @ 40°C	32cSt	46cSt	68cSt	100cSt
Viscosity Index	140	140	140	140
Pour Point (°C)	-60	-57	-48	-36
Flash Point (°C)	220	240	245	250
Temperature Range (°C)	-54 to +240	-54 to +240	-40 to +240	-30 to +240
DIN 51524	HVLP	HVLP	HVLP	HVLP
ISO 6743-4	HV	HV	HV	HV
NSF Registration Number	125908	125909	125910	137965
Product Code	5690	5692	5693	5856

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