

ESCA COMPRESSOR P

Synthetic H1 Food Grade Compressor Oil

212040-212050-212060-212070-212080/03.20

Rev. 2

DESCRIPTION & APPLICATIONS

ESCA COMPR. P are a synthetic high performance compressor lubricants based on a mixture of polyalpha-olefins (PAO) and utilize the latest available additive technology providing outstanding resistance to oxidation and thermal degradation required in centrifugal and oil-flooded screw compressors used in the food-, feed- and pharmaceutical industries.

ESCA COMPR. P meet the requirements of FDA 21 CFR 178.3570 and is H1-registered for processes where incidental food contact can occur.

All ESCA H1-registered products are manufactured according to ISO 21.469:2006 which supports producers' HACCP and GMP programs.

ESCA H1-lubricants do not contain ingredients of animal origin or genetically modified products and are KOSHER and HALAL certified.

ADVANTAGES

- Excellent oxidation stability
- Outstanding thermal resistance
- Good water separation and air release
- High wear protection
- Extended drain intervals
- Reduced power consumption
- No deposit/lacquer formation

PERFORMANCES

Satisfies to the following specifications:

InS H1

KOSHER

HALAL

ESCA COMPRESSOR P

ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal. When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA				
Appearance	-	-	Clear yellow	Clear yellow	Clear yellow	Clear yellow	Clear yellow
ISO VG	-	-	32	46	68	100	150
Specific gravity at 15°C	kg/m ³	NFT 60101	842	846	850	853	853
Kinematic viscosity at 40°C	mm ² /s (cSt)	NFT 60100	30	46	69	102	151
Kinematic viscosity at 100°C	mm ² /s (cSt)	NFT 60100	6	8	10	14	21
Viscosity index	-	NFT 60136	148	136	137	140	159
TAN (TotalAcid Number)	mg KOH/g	ASTM D 664	0.7	0,7	0,7	0,7	0,7
Flash point (COC)	°C	ASTM D 92	243	236	239	241	262
Pour point	°C	ASTM D97	-48	-42	-38	-39	-29
Copper corrosion	-	ASTM D 130	1a	1a	1a	1a	1a
Steel corrosion	-	ASTM D665	pass	pass	pass	pass	pass
Demulsibility at 54°C ml oil/water/emulsion	min	ASTM D1401	5	12	12	13	18
4 Ball weld load	kg	ASTM D2596	160	160	200	200	200
4 Ball scar diameter, 1200 rpm, 75°C, 40 Kg	Ø mm	ASTM D4172	0,34	0,33	0,32	0,31	0,31
Application temperature	°C	-	-35 à 145	-30 à 150	-28 à 150	-25 à 160	-25 à 160
Product number	210 L	-	212040	212050	212060	212070	212080
Product number	20 L	-	212042	212052	212062	212072	212082
InS H1 registration number			1796397	1796398	1796399	1796400	17963401

The average values are given for information only.