

ESCA GEAR P

Synthetic H1 Food Grade Gear Oil

212110-212120-212130-212140-212150/05.19

Rev. 2

DESCRIPTION & APPLICATIONS

ESCA GEAR P are synthetic high performance gear lubricants based on a mixture of poly-alphaolefins (PAO) and utilizes the latest available additive technology, providing outstanding extreme pressure characteristics and load-carrying properties required in gear systems for the food-, feed- and pharmaceutical industries.

ESCA GEAR P meet the requirements of FDA 21 CFR 178.3570 and are 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 wear protection
- High corrosion inhibition
- Good water separation
- Very good shear stability
- Extended drain intervals
- Also usable for chain lubrication.

PERFORMANCES

Satisfies to the following specifications:

InS H1

DIN 51517/3 CLP

ISO 12925-1 CKT

ISO 6743/6 -L-CKT

KOSHER

HALAL

ESCA GEAR 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	-	-	150	220	320	460	680
Specific gravity at 15°C	kg/m ³	NFT 60101	847	847	854	854	854
Kinematic viscosity at 40°C	mm ² /s (cSt)	NFT 60100	150	220	334	457	692
Kinematic viscosity at 100°C	mm ² /s (cSt)	NFT 60100	22	30	41	49	72
Viscosity index	-	NFT 60136	170	177	175	169	181
Flash point (COC)	°C	ASTM D 92	247	254	268	272	274
Pour point	°C	ASTM D97	-35	-34	-20	-24	-20
Copper corrosion	-	ASTM D 130	1a	1a	1a	1a	1a
Steel corrosion	-	ASTM D665	pass	pass	pass	pass	pass
Demulsibility at 82°C ml oil/water/emulsion	min	ASTM D1401	9	9	15	14	16
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	0,31	0,31	0,3	0,3	0,3
Product number	210 L	-	212110	212120	212130	212140	212150
Product number	20 L	-	212112	212122	212132	212142	212152
INS registration number	-	-	1796390	1796391	1796392	1796393	1796394

The average values are given for information only.