ESCA GEAR W

H1 Food Grade Gear Oil

212160-212170-212180-212190-212200/05.18

Rev. 1

DESCRIPTION & APPLICATIONS

ESCA GEAR W are synthetic high performance gear lubricants based on a mixture of white oils 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 W 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

- 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
ISO 12925-1 CKB
ISO 6743/6-L-CKB
KOSHER
HALAL

ESCA GEAR W

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/m³	NFT 60101	874	882	879	881	888
Kinematic viscosity at 40°C	mm²/s (cSt)	NFT 60100	144	213	311	433	664
Kinematic viscosity at 100°C	mm²/s (cSt)	NFT 60100	15	19	25	32	44
Viscosity index	-	NFT 60136	103	103	107	105	110
TAN (TotalAcid Number)	mg KOH/g	ASTM D 664	0,75	0,75	0,75	0,75	0,7
Flash point (COC)	°C	ASTM D 92	250	216	248	264	>250
Pour point	°C	ASTM D97	-9	-9	-12	-12	-10
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	8	9	12	15	20
4 Ball weld load	kg	ASTM D2596	160	160	160	160	200
4 Ball scar diameter, 1200 rpm, 75°C, 40 Kg	Ø mm	ASTM D4172	0,34	0,41	0,41	0,38	0,30
Application temperature	°C	-	-5 to 140	-5 to 160	-5 to 160	-5 to 160	-5 to 160
Product number	210 L	-	212160	212170	212180	212190	212200
Product number	20 L	-	212162				
InS H1 registration number			1796385	1796386	1796387	1796388	1796389

The average values are given for information only.