ESCA HYDRO P

Synthetic H1 Food Grade Hydraulic Oil

212210-212230-212240-212250-212260/05.19

Rev. 2

DESCRIPTION & APPLICATIONS

ESCA HYDRO P are synthetic high performance hydraulic fluids based on a mixture of polyalpha-olefins (PAO) and utilizes latest available additive technology providing high anti-wear and extreme pressure performance required in hydraulic systems for the food-, feed- and pharmaceutical industries.

ESCA HYDRO 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 HYDRO P 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 and air release properties
- Extended drain intervals
- Compatibility with hoses, pipes and system components
- No deposit/lacquer formation

PERFORMANCES

Satisfies to the following specifications:

InS H1
ISO 6743/4-L-HS
DIN 51524 Teil 3 HVLP
KOSHER
HALAL

ESCA HYDRO 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				
ISO VG	-	-	15	32	46	68	100
Appearance	-	-	Clear yellow	Clear yellow	Clear yelllow	Clear yellow	yellow
Specific gravity at 15°C	kg/m³	NFT 60101	828	835	839	843	844
Kinematic viscosity at 40°C	mm²/s (cSt)	NFT 60100	16	30	44	66	101
Kinematic viscosity at 100°C	mm²/s (cSt)	NFT 60100	4	6	7	9	16
Viscosity index	-	NFT 60136	110	155	160	160	167
Flash point (COC)	°C	ASTM D 92	216	242	258	257	212
Pour point	°C	NFT 60105	-48	-48	-48	-45	-42
Copper corrosion	-	ASTM D 130	1a	1a	1a	1a	1a
Steel corrosion	-	ASTM D665	pass	pass		pass	pass
Demulsibility at 54°C ml oil/water/emulsion	min	ASTM D1401	<10	< 10	<10	<10	<10
4 Ball weld load	Kg	ASTM D2783	126	160	160	200	200
4 Ball scar diameter, 1200 rpm, 75°C, 40 Kg	Ø mm	ASTM D4172	0,6	0,5	0,4	0,32	0,32
Product number	210 L	-	212210	212230	212240	212250	212260
Product number	20 L	-	212212	212232	212242	212252	212262
INS registration number	-	-	1796378	1796380	1796381	1796382	1796383

The average values are given for information only.