TRIPTON® HYDRO FLUIDS HM-HLP

DESCRIPTION:

TRIPTON® HYDRO HM Fluids are quality hydraulic fluids formulated from base stocks incorporated with selected additives designed for high pressure, heavily loaded hydraulic systems.

FEATURES/BENEFITS:

TRIPTON® HYDRO HM Fluids are efficient anti-wear oils, fully inhibited with anti-oxidation, anti-corrosion, anti-rust and anti-foam additives. Superior anti-rust characteristics protect pump lines and controls against rust and corrosion. They exhibit excellent demulsification properties even above moderate temperature levels, still maintaining the ability to reject water.

APPLICATIONS

TRIPTON® HYDRO HM Fluids are recommended where higher pressures and increased speeds demand oils with added anti-wear protection. In the proper grade, these fluids may be used in circulation, splash bath and ringed oil systems supplying bearings and gears, as well as hydraulic systems (performance .

The service life is 5000+ hours at lower 60°C temperature in good operating conditions

1- Physical and Chemical Properties

CODE		**TRL310843**	**TRL330943**	**TRL331043**	**TRL331143**	**TRL331243**
Property	ASTM's	Values	Values	Values	Values	Values
Performance (DIN 51524)	-	HM, HLP	HM, HLP	HM, HLP	HM, HLP	HM, HLP
ISO Viscosity Grade	**D2432**	**32**	**46**	**68**	**100**	**150**
Density @15 °C/ g/mL	D1298	>0.840	>0.840	>0.850	>0.860	>0.860
Viscosity @ 40 °C; cSt	D445	28.8-35.2	41.4-50.6	61.2-74.8	90-110	135-165
Viscosity Index, mini	D2270	95	95	95	95	95
Pour Point °C, max	D97	-25	-20	-15	-12	-10
Flash Point (COC) °C, mini.	D92	180	190	200	220	225
Foaming (Seq I/Seq II/Seq III)	D892	20/50/20 (0/0/0)				
TAN mg KOH/g	D974	< 1.5				
Cu Strip Corrosion (3h@100°C)	D130	2				
Demulsibility time (40/3/37)max	D1401	30 min @ 54 °C			60 min @ 82 °C	
Water Content (%)	D1744	< 0.025				

The above values may vary within commercially accepted tolerances.

Packing:

The products are available in the following:

Code	TRL31nn43-01	TRL31nn43-02
Pack (L)	200 L	20 L

2- Physical and Chemical Properties

CODE		TRL311343	TRL311443	TRL331543	TRL311443	TRL331543
Property	ASTM's	Values	Values	Values	Values	Values
ISO Viscosity Grade	**D2432**	**220**	**320**	**460**	**680**	**1000**
Density @15 °C/ g/mL	D1298	>0.870	>0.870	>0.880	>0.880	>0.880
Viscosity @ 40 °C; cSt	D445	198-242	188-352	414-506	612-748	900-1100
Viscosity Index, mini	D2270	95	95	95	95	95
Pour Point °C, max	D97	-9	-9	-7	-6	-5
Flash Point (COC) °C, mini.	D92	230	250	260	270	270
Foaming (Seq I/Seq II/Seq III)	D892	20/50/20 (0/0/0)				
TAN mg KOH/g	D974	0.2-1.5				
Cu Strip Corrosion (3h@ 100ºC)	D130	2				
Demulsibility time (40/3/37) max	D1401	60 min @ 82 °C		-		
Water Content (%)	D1744	< 0.025				

The above values may vary within commercially accepted tolerances.

Expiration date: *The recommended shelf life for these oils is typically 5 years from manufacturing date when stored properly in the original sealed containers.*

HANDLING AND STORAGE

Precautions for safe handling: Keep away from sources of ignition. No naked lights. No smoking. Do no eat, drink or smoke when using this product. Wash hands and other exposed areas with soap and water before leaving work. **Specific end use(s): Use only as Hydraulic oils.**	**Storage:** All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Health, Safety & Environment

Health and Safety

TRIPTON® Products are no any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Protect the Environment: Take used oil to an authorized collection point. Do not discharge into drains, soil or water.