TRIPTON® INDUSTRIAL GEAR OILS HVI

DESCRIPTION:

TRIPTON® INDUSTRIAL GEAR OILS HVI are available in ISO viscosity grades 32, 46, 68, 100,150, 220, 320, 460, 680 and 1000 are made from high quality base oils and premium additives to provide excellent load carrying ability, extreme pressure (EP) properties, wear resistance, oxidation stability, anti-rust, anti-corrosion and anti-foam properties.

FEATURES/BENEFITS:

TRIPTON® INDUSTRIAL GEAR OILS HVI are the highest performance level, multi-purpose type hypoid, spiral or bevel gear lubricants for the most severe service conditions light and heavy equipment. These lubricants contain sulfur and phosphorus additive materials, but no zinc, in compliance with most manufacturers' requirements for industrial gearboxes.

APPLICATIONS

TRIPTON® INDUSTRIAL GEAR OILS HVI are recommended for all industrial gearboxes and other heavy equipment gears requiring American gear manufactures association (AGMA9005) lubricants.

SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

- Sufficient oxidation stability for a lifetime of 10,000 hours or two years at 80 ºC
- A load stage 12 pass in the FZG double speed test (DIN51354 Part 2)
- Pass in the FVA-54/II micro pitting (gray staining) test at load stage 10 at 90 ºC

Physical and Chemical Properties

CODE		**TRL330831**	**TRL330931**	**TRL331031**	**TRL331131**	**TRL331231**
Property	ASTM's	Values	Values	Values	Values	Values
ISO Viscosity Grade	**D2422**	**32**	**46**	**68**	**100**	**150**
Gear Oils AGMA Lubr. No	-	0	1	2	3	4
Density @15 ºC/ g/mL	D1298	>0.840	>0.840	>0.850	>0.860	>0.860
Viscosity @ 40 ºC; cSt	D445	28.8-35.2	41.4-50.6	61.2-74.8	90-110	135-165
Viscosity Index, mini	D2270	120	120	120	120	120
Pour Point ºC, max	D97	-25	-25	-20	-20	-15
Flash Point (COC) ºC, mini.	D92	210	210	220	220	220
Foaming (Seq I/Seq II/Seq III)	D892	20/50/20 (0/0/0)				
TAN mg KOH/g	D974	< 1.0				
Cu Strip Corrosion (3h@100ºC)	D130	1				
4Ball (Welding load) Kg	D2783	200				

The above values may vary within commercially accepted tolerances.

Physical and Chemical Properties

CODE		TRL331331	TRL331431	TRL331531	TRL331631	TRL331731
Property	ASTM's	Values	Values	Values	Values	Values
ISO Viscosity Grade	**D2422**	**220**	**320**	**460**	**680**	**1000**
Gear Oils AGMA Lubr. No	-	5	6	7	8	8A
Density @15 °C/ g/mL	D1298	>0.870	>0.870	>0.870	>0.870	>0.870
Viscosity @ 40 °C; cSt	D445	220±10%	320±10%	460±10%	680±10%	1000±10%
Viscosity Index, mini	D2270	120	120	120	120	120
Pour Point °C, max	D97	-15	-12	-10	-10	-6
Flash Point (COC) °C, mini.	D92	210	210	220	220	220
Foaming (Seq I/Seq II/Seq III)	D892	20/50/20 (0/0/0)				
TAN mg KOH/g	D974	< 1.0				
Cu Strip Corrosion (3h@100°C)	D130	1				
4Ball (Welding load) Kg	D2783	200				

The above values may vary within commercially accepted tolerances.

Packing:

The products are available in the following:

Code	TRL33nn31-01	TRL33nn31-02
Pack (L)	200 L	20 L

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 Automotive and Industrial Gear 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.