

# HYDROX EP



## DESCRIPTION

HYDROX 8EP and HYDROX EP150 are extreme pressure (EP) rated gear lubricants based on medium viscosity mineral oil.

## APPLICATIONS

HYDROX 8EP and HYDROX EP150 are designed primarily for lubrication of auxiliary or main propulsion thruster units, particularly where water ingress may occur. They have been formulated to be suitable for applications where a combined gear lubricant / hydraulic function is required.

HYDROX 8EP can also be used in sterntube lubrication where an integral gearbox is included and also for gearbox lubrication of deck mounted equipment and crude oil washing machines, where an ISO 100 viscosity grade is appropriate.

## FEATURES

- HYDROX 8EP and HYDROX EP150 provide a very high standard of anti-wear performance required for the lubrication of heavily loaded gears, giving high resistance to micropitting and scuffing.
- Both products provide good compatibility with the elastomers used for seals in marine equipment. They have been tested and approved for use by the major seal manufacturers.
- HYDROX 8EP and HYDROX EP150 form stable emulsions with any water that may enter the unit and so provide a high standard of lubrication and protection against corrosion, reducing the problems associated with water contamination into a thruster unit. The continued presence of any water in a thruster unit is still undesirable and, in accordance with roller bearing manufacturer's guidelines, it is recommended that fresh oil should be introduced into a unit where water contamination is present at the earliest opportunity.

## BENEFITS

- Forms a stable emulsion with any water that may enter the unit and thus provides a high standard of lubrication and protection against corrosion.
- Imparts a very high standard of anti-wear performance. Suitable for the lubrication of heavily loaded gears and providing excellent resistance to scuffing and micropitting of gears.
- HYDROX 8EP and HYDROX EP150 are compatible with many other EP type lubricants and can usually be added without special precautions, although compatibility cannot be guaranteed without laboratory examination of the oils involved. Draining of as much of the old oil as possible is also advised.

## TYPICAL CHARACTERISTICS AND PROPERTIES

HYDROX EP	8EP	EP150	TEST METHOD
Appearance	Golden Brown	Golden Brown	Visual
Viscosity @ 40°C (cSt)	105	150	ASTM D7042
Viscosity Index	105	102	ASTM D2270
Density @ 15°C (kg/l)	0.893	0.897	ASTM D4052
Pour Point (°C)	< -20	< -20	ASTM D7346
Flash Point (SETA) (°C)	> 180	> 180	IP 523
FZG gear oil rating	Pass Load Stage 12	Pass Load Stage 12	
Shelf Life	7 years in original container stored out of direct sunlight		

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