

## INA Epol SPS

### General Description - Application

INA Epol SPS are high quality synthetic oils based on polyalphaolefins (PAO) with EP additives which insure very good high and low temperature properties as well as excellent thermal and oxidation stability. INA Epol SPS are intended for all types of enclosed industrial gear drives, due to the combination of high load-carrying capacity in steel gear transmissions and good antifricition characteristics in steel/phosphorus bronze contact. Suitable for lubrication of gears which are subjected to high or low temperatures and extreme and shock loads. Although designed primarily for the lubrication of gears, their high overall performance makes it possible to extend their use to system involving gears and different types of bearings.

INA Epol SPS extend oil life and prolonge the working life of the equipment.

### Performance Level - Specifications

ISO 6743-6 L-CKD, ISO 12925-1  
 DIN 51517 Part 3 CLP  
 ANSI/AGMA 9005 – E02  
 AISE/US Steel 224  
 INA N 22-125

Properties	INA Epol SPS				Method
ISO -L-CKD	150	220	320	680	ISO 3448
ANSI/AGMA 9005-E02	4EP	5EP	6EP	7EP	-
Kinematic Viscosity, mm <sup>2</sup> /s					
- at 40 °C	150	220	320	680	ISO 3104
- at 100 °C	19,1	26,1	35,5	65,5	
Viscosity Index	145	147	150	168	ISO 2909
Flash Point, (COC), °C	240	240	240	240	ISO 2592
Pour Point, °C	<-40	<-40	-35	-26	ISO 3016
Corrosion (Cu, 100 °C, 3 h)	1 b				ISO 2160
Water Demulsibility					
- total free water, ml	82				ASTM D 2711
- emulsion, ml.	1				
- water in oil, %	2				
Four ball EP test – Weld Point, N	3150				ASTM D 2783
Four ball Wear test					
- Average scar diameter (193 N/1800 min <sup>-1</sup> /54 °C/1 h), mm	0,30				ASTM D 4172
FZG, A/8,3/90	12+				DIN 51354
Timken, N	267				ASTM D 2782

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.