

INDUSTRIAL "HC" SLIDEWAY LUBRICANTS

ISO Grades 68, 100, 220

Product Description

Industrial "HC" Slideway Lubricants are products formulated for lubricating the ways of various types of machine tools. They are blended from hydro processed API Group II base stocks and have been compounded with additives to impart outstanding lubricity and extreme pressure properties. Industrial "HC" Slideway lubricants provide the high film strength and adhesion on horizontal and vertical way bearing faces to reduce wear. The product has good water separation and offers rust and corrosion protection. The lubricant adhesion properties prevent fluid from draining away from lubricated surfaces and minimizes fluid extraction between heavily loaded ways.

Applications

Industrial "HC" Slideway lubricants are manufactured for the sliding ways of machine tool systems that include planers, grinders, horizontal boring machines, shapers, and various milling machines. "HC" Slideway lubricants ISO Grades 68 and 100 are recommended for most machine tools with horizontal slideways in light to moderate applications. The ISO 220 Grade is suggested for those severe applications requiring a high viscosity lubricant and good water separation; particularly for machines with vertical slideways.

Typical Properties

Property	ISO 68	ISO 100	ISO 220*
AGMA Number (Reference)	2	3	5
Fluid Texture/Consistency	Adhesive	Stringy	Adhesive Stringy
Viscosity, cSt @ 40°C	67.6	101.8	225.0
Viscosity, cSt @ 100°C	8.7	11.5	21.9
Flash Point, COC, °F(°C)	420(216)	475(246)	485(252)
Viscosity Index	100	100	118
Pour Point, °F(°C)	-5(-21)	0(-18)	5(-15)
Demulsibility at 54°C, ASTM D-1401	----	----	40-40-0(10)
Gravity, API @ 60°F	31.0	30.0	30.0
Specific Gravity @ 15.6°C	0.8708	0.8762	0.8762

* Note: RWS = "Rapid Water Separation"

*The values shown are typical of current production. Some are controlled in the manufacturing process while others are not. All of them may vary within tolerable ranges.