



Hydroclear™ TCS Slideway Lubricant

Conoco Hydroclear™ TCS Slideway Lubricant is a premium demulsible machine tool way lubricant formulated with premium hydrocracked base stocks and proprietary ashless additive chemistry. It is specifically effective at separating from water and other metalworking fluids. Hydroclear™ TCS Slideway Lubricant provides exceptional control of lubricant runoff, excellent adhesion to horizontal and vertical way surfaces, good rust and corrosion protection and wear protection. Hydroclear™ TCS Slideway Lubricant prevents stick/slip problems during slow-speed operations.

Applications

Hydroclear™ TCS Slideway Lubricant is recommended for use on the plain bearing slideways of lathes, shapers, grinders and milling machines manufactured by Mazak and others.

Hydroclear™ TCS Slideway Lubricant is available in ISO viscosity grades 32, 68 and 220. It is approved by Cincinnati Machine in accordance with its Lubricant Specifications P-53 (ISO 32), P-47 (ISO 68) and P-50 (ISO 220). It is recommended for use in Goss Print Presses, and it meets Goss SBM 5078 specifications.

Outstanding Features

- Clear, nonstaining
- Quick and effective separation from water and other metalworking fluids
- Exceptional control of lubricant runoff and wash-off
- Prevention of stick/slip problems
- Good rust and corrosion protection
- Excellent adhesion properties
- Reduction of friction and wear
- Protection from scoring under heavy loads
- Contains special oiliness and metal-wetting agents

**Hydrocracked
Premium
Demulsible
Machine Tool
Way Lubricant**

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Hydroclear™ TCS Slideway Lubricant
Typical Properties

ISO Grade	32	68	220
Viscosity,			
cSt @ 40°C	32	69	227
cSt @ 100°C	6.1	9.0	23.8
SUS @ 100°F	163	359	1184
SUS @ 210°F	47	57	118
Viscosity Index	141	104	130
Pour Point,			
°F	5	5	10
°C	-15	-15	-12
Flash Point,			
°F	401	450	536
°C	205	232	280
ASTM Color	0.0	0.0	0.0
Saybolt Color	+20	+20	+20
Density,			
lb/gal	7.06	7.26	7.30
API Gravity	35.3	31.1	30.3
Specific Gravity @ 60°F (15.6°C)	0.848	0.870	0.874
Total Acid No., ASTM D974	1.6	1.3	1.3
Emulsion Characteristics (min to 40-40-0)	20	20	20
Stick/Slip Ratio	<0.8	<0.8	<0.8

Due to continual product research and development, the information contained herein is subject to change without notification.

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