



PRODUCT INFORMATION

PERENNIAL HYSLIDE VG SERIES (SUPERIOR ANTI-STICK SLIP SLIDEWAY LUBRICANT)

DESCRIPTION

PERENNIAL HYSLIDE Superior Slideway Lubricant is a compounded oil containing EP additives, good anti wear properties, lubricity substance and with highly refined mineral oil and a proprietary anti-stick-slip agent designed for use on heavily loaded machine tool slideways, gear boxes (without multiple disk cluthes) as well as for general lubricating either horizontal or vertical. PERENNIAL HYSLIDE has special frictional characteristics which give it superior anti-stick slip performance in slow moving machine parts. It also adhers strongly to slideway surfaces thus preventing metal to metal contact or grooving of the slideway. PERENNIAL HYSLIDE has good viscosity/ temperature, a neutral behavior against seals as well as good corrosion protection on steel and non ferrous metals. PERENNIAL HYSLIDE contains special additives that provide optimum coolant separation as well as resistance to corrosion from the coolant.

APPLICATIONS

PERENNIAL HYSLIDE is recommended for lubricating slideways on all type of machine tools including grinders, lathes, planers, shapers, slotters and boring/drilling/milling/screw machines.

The ISO VG 68 grade is suitable for use as a combined slideway and hydraulic fluids. The heavier grades, ISO VG 100 and 220, are ideal for heavily loaded slideways and are also suitable for use in enclosed gear units that operate under moderate service conditions. All three grades have good oxidation stability making them ideal for general machine tool lubrication. Please refer to machine manufacturer's recommendation for the proper viscosity grade. PERENNIAL HYSLIDE meets the service requirements of:

- Cincinnati Milacron P-47, P-50 and P-53
- AFNOR NF E60-200

TECHNICAL DATA

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Grade, ISO VG	22	32	46	68	100	220
Density, g/cm3 @ 15 ° C	0.865	0.87	0.88	0.88	0.885	0.900
Colour, ASTM	L2.0	L2.5	L2.5	L3.0	L4.0	L4.5
Flash Point, COC, ° C	208	209	220	218	225	230
Pour Point, ° C	-12	-12	-12	-12	-12	-12
Viscosity, cSt @ 40 ° C	23.0	31.5	45	69	98	210
cSt @ 100 ° C	4.9	6.0	6.9	8.7	10.8	18.5
Viscosity Index	95	106	105	105	100	100
Foam Test	Pass	Pass	Pass	Pass	Pass	Pass
Demulsibility, ASTM D1401	12	12	12	12	12	12
Stick Slip, ASTM D2877	0.73	0.74	0.73	0.73	0.72	0.67

OUTSTANDING FUNCTIONAL CHARACTERISTICS

- 1. Stick-Slip Properties The Special additives in HYSLIDE oil provide the proper ratio of static to kinetic coefficient of friction. This allows tools to start easily and move smoothly throughout their travel. This reduces chatter and improves the finish on the work piece.
- EP Properties An Extreme Pressure additives prevents metal to metal contact, thus preventing grooving of that portion of the way to which travel is limited.
- <u>Tackiness</u> Additives improve adhesive properties so the oil is not squeezed from heavily loaded ways.
- Coolants Separability -Special additives impart optimum coolant separability to PERENNIAL HYSLIDE. This feature improves recovery of both coolant and way oil, and reduces waste fluids from machining operations.
- Rust and Corrosion Protection Special corrosion preventives additives impart optimum protection of ferrous metals from rusting and aluminium alloys from pitting and corrosion.