

## ANTIWEAR 2 / 10 / 22 / 32 / 46 / 68 / 100 / 150 / 220

### GENERAL DESCRIPTION

The Antiwear series is dual-purpose machine lubricants formulated for both hydraulic and spindle lubrication. The dual-purpose formulation eliminates the need to inventory both hydraulic and spindle oils.

The primary benefit of the Antiwear series is the fact that they do not emulsify in water and as a result will reject from coolant faster than lower quality products. Faster rejection means easier removal of tramp oil from the coolant by means of decantation, skimming, coalescing and centrifuging.

PRODUCT CHARACTERISTICS									
ANTIWEAR	2	10	22	32	46	68	100	150	220
Appearance	Amber	Amber	Amber	Amber	Amber	Amber	Amber	Amber	Amber
Odor	Mild	Mild	Mild	Mild	Mild	Mild	Mild	Mild	Mild
<b>Viscosity:</b>									
SUS @ 100°F	32	60	106	150	215	315	465	700	1020
cSt @ 40°C	2	10	22	32	46	68	100	150	220
Viscosity Index (VI)	N/A	>95	>95	>95	>95	>95	>95	>95	>95
ISO VG	2	10	22	32	46	68	100	150	220
Specific Gravity	0.77	0.84	0.86	0.87	0.87	0.88	0.88	0.88	0.89
Flash Point COC, °F/°C	235/112	309/154	410/210	419/215	430/221	439/226	439/226	439/226	439/226

Coolant free of emulsified hydraulic and spindle oils will perform better. The coolant's ability to cool and lubricate will not be hindered by oils that are not designed for cutting. Coolants that smoke, are often contaminated with large amounts of emulsified hydraulic and spindle oils.

In addition, because the Antiwear series is more easily removed from the coolant, the coolant is easier to maintain. Coolant free of emulsified hydraulic and spindle oils will be less likely to stick to parts or chips and be carried out of the machine. It is also less likely to go rancid because it is easier to control odor-causing bacteria. Therefore, the consumption of coolant is reduced.

*The Antiwear series is formulated with high quality additives under strict quality control resulting in products that meet and or exceed international specifications established for hydraulic and spindle oils. The Antiwear series is available in nine viscosities that meet the International Standards Organization (ISO) viscosity requirements for machine lubricants. All Hangsterfer's Antiwear Oils meet or exceed the Cincinnati Milacron P-68, P-69 and P-70 Specifications.*

### SHIPPING UNITS

The Antiwear Series is available in 5 gallon, 55 gallon and Intermediate Bulk Containers (275 or 330 gallons). All products are distributed worldwide.

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