

Way Oils *Slideway Lubricating Oils*

FEATURES

- Extended Sump life
- Meets or exceeds OEM Specifications
- Rapid Oil Rejection
- Solvent Free
- VOC Compliant
- Wide Variety of Viscosities

GENERAL DESCRIPTION

Hangsterfer's slideway lubricating oils are formulated to provide excellent machine tool performance, while eliminating the problems of coolant degradation associated with tramp oil contamination.

The full range of Hangsterfer's Way Oils offer superior slideway adherence, stick-slip friction characteristics and complete water soluble coolant separation. By separating quickly and completely from your water soluble coolant, you will achieve the maximum in cutting performance and sump life. In addition, because they minimize water solubility, they are less likely to be prematurely washed off the ways.



The Way Oil series is formulated with high quality additives under strict quality control, resulting in products that meet or exceed international specifications established for slideway oils. The Way Oil series is available in 5 viscosities that meet the International Standards Organization (ISO) viscosity requirements for machine lubricants. All Hangsterfer's Way Oils meet or exceed the Cincinnati Machine P-47 specification.

APPLICATIONS

Primary		Secondary
Machine Slide Way Lubrication	Open loop systems	Parts Lubrication

MATERIALS

Primary			Secondary
Bronze	Copper	Steel	Composites
Ceramics	Iron: Cast	Turcite	Plastics

INSTRUCTIONS

Please follow directions given by the way oil system manufacturer for required maintenance. Yearly cleaning of the way oil reservoir is recommended to remove any contaminants that may enter during filling.

MAINTENANCE

While way oils do not require maintenance please keep the container closed while not in use to prevent contamination.

PRODUCT CHARACTERISTICS

Way Oil	1	2	3	4	7
Form	Liquid	Liquid	Liquid	Liquid	Liquid
Color	Amber	Amber	Amber	Amber	Amber
Odor	Mild	Mild	Mild	Mild	Mild
Specific Gravity	0.85 - 0.87	0.85 - 0.91	0.85 - 0.90	0.85 - 0.90	0.88 - 0.90
Viscosity: SUS @ 100°F	134 - 165	305 - 330	680 - 700	1010 - 1030	2120 - 2140
cSt @ 40°C	28 - 36	60 - 70	145 - 160	215 - 225	450 - 465
ISO Grade	32	68	150	220	460
Viscosity Index (VI):	>95	>95	>95	>95	>95
Flash Point, COC, °F/°C	410 / 210	419 / 215	439 / 226	439 / 226	568 / 298
Fire Point, COC, °F/°C	450 / 232	450 / 232	450 / 232	450 / 232	599 / 315
Pour Point, °F/°C	<0 / -18	<0 / -18	<0 / -18	<0 / -18	10 / -12
Solubility in Water	<0.01	<0.01	<0.01	<0.01	<0.01
Boiling Point, °F/°C	450 / 232	450 / 232	450 / 232	450 / 232	599 / 315
Vapor Pressure, mm Hg @ 25°	<0.1	<0.1	<0.1	<0.1	<0.1
pH @ 10%	N/A	N/A	N/A	N/A	N/A

WASTE TREATMENT

Dispose of in accordance with local, state, federal and international laws. As with most used cutting oils they can often be re-refined or used in energy recovery systems.

SHIPPING UNITS

All Hangsterfer's products are available in 5 gallon, 55 gallon, and Intermediate Bulk Containers (275 gallon). All products are distributed worldwide.

Date: 30 January 2004 Revised: 05 November 2021

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