

RES-X “The Residue Remover”

GENERAL DESCRIPTION

RES-X is chemically engineered to remove residue caused by tramp oil, oxidized oils, water minerals, dirt, dust and other contaminants that are commonly found in machines using metalworking lubricants. RES-X molecularly breaks down the adhesion bonds of the residue; “it releases their hold on the surface”. RES-X is 100% compatible with Hangsterfer’s emulsifiable oils, semi-synthetics, synthetics, cutting oils and metalforming compounds.

Other types of cleaners should not be used in or around the area of the metalworking process. Many cleaners on the market contain alkaline or acidic additives, which will negatively effect the foaming, rusting, and lubricity capabilities of a lubricant. Many problems associated with a lubricant can be traced to contaminates. RES-X is a means to get control of what is entering the system.

Fluids are being used for extended periods of time lowering consumption and minimizing disposal costs. The downside is, the contaminates that would in the past be removed from the sump when you dumped, are no longer being removed. Instead they are remaining in the system, increasing in concentration and eventually depositing on the machine. RES-X is the means to combat this phenomenon and allow the residue to leave the system.

APPLICATION

- **Residue Deposits:** Machines with residue deposits must be treated daily by spraying a light single layer of RES-X on the residue, prior to starting the machining process. As the day progresses, the splashing coolant or lubricant will loosen the treated residue and wash it into the sump. Apply daily until the majority of the residue is gone then apply once a week for maintenance.
- **Preventative Maintenance:** Machines without residue should be treated to prevent residue from forming. Apply the RES-X once a week to areas of the machine, which are exposed to the lubricants. RES-X is an excellent choice for companies that maintain a “showcase” type facility.

SAFETY

RES-X is safe for use on most ferrous and non-ferrous metals, plastics, composites and painted surfaces. However, spot testing is recommended prior to its use. Compared to common types of cleaners such as alkaline, acidic or solvent based types, RES-X is considered extremely mild. RES-X is another key to meeting and exceeding today’s health, safety and environmental concerns.

PRODUCT CHARACTERISTICS:	RES-X
Form	Liquid
Color	Colorless
Odor	Bland
Specific Gravity	0.91
Viscosity: SUS @ 100°F	36
cSt @ 40°C	3
Flash Point, COC, °F/°C	208 / 98
Fire Point, COC, °F/°C	214 / 101
Pour Point, °F/°C	-103 / -75
Solubility in Water	<10%
Boiling Point, °F/°C	444 / 229
Vapor Pressure, mm Hg @ 25°	<0.1
pH @ 10%	N/A

Shipping Units:

RES-X is available in 5 gallon, 55 gallon and Intermediate Bulk Containers (275 or 330 gallons).

All products are distributed worldwide.

Disclaimer: All reasonable care has been taken to ensure that the information contained in this publication is true and accurate. No warranty is expressed or implied regarding the accuracy of the data. Also, seller is not liable for any loss, damage or liability resulting from the use of the product in the buyer’s manufacturing processes or in combination with other substances. MSDS’s are available for all Hangsterfer’s products and should be consulted as needed.

Revised: April 24, 2009