

General Description

Waylubes are extreme pressure products designed to lubricate the ways of machine tools.

In many machining operations, a machine tool carriage is moved back and forth on a slideway, usually referred to as a way, at heavy load conditions and slow speeds. The lubricant is required to provide good load carrying characteristics while not impairing the smooth sliding action desired. Some applications require the carriage to start quickly and move smoothly, where other applications require frequent stopping alternating with incremental positive movements.

Waylube is formulated with special additives that provide tackiness to reduce dripping and increase adherence to the metal, modifiers to reduce stick-slip action during operation and extreme pressure agents to reduce wear between the carriage and ways. Waylube is non-corrosive toward copper and aluminum and non-staining to metal surfaces.

Features and Benefits

- **Reduced Stick-Slip:** Additives reduce stick-slip, or chatter, providing smooth and positive movement.
- **Added Adhesion:** Tackifiers increase adherence to metal surfaces and reduce dripping or run-off of the oil.
- **Wear Prevention:** Extreme pressure agents reduce wear and lead to longer equipment life and more accurate movements.

Typical Applications

Waylubes are recommended for heavy sliding loads such as:

- Ways for machine tool carriages
- Elevator guides
- Conveyor chain rails
- Trolley chains
- Sawmill saws & carriages

Typical Properties

ISO Grade	68
API Gravity / lbs./gal.	29.9 / 7.30
Viscosity @ 40°C, cSt	70.4
Viscosity @ 100°C, cSt	8.8
Viscosity Index	97
Flash Point, °F	435
Pour Point, °F	15

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

Health & Safety

A complete safety data sheet is available by calling 1-651-355-8438 or visit cenex.com/sds-library.