



# TCS Slideway Lubricant

## Premium specialty oil for machine tool slideways

Machine tool slideways demand a lubricant that prevents stick-slip conditions and provides quick, effective separation from water and coolants. TCS Slideway Lubricant answers the call as a highly demulsible oil with excellent anti-stick-slip properties.

The only clear, water-white way lube on the market, TCS Slideway is a premium circulating oil, specially formulated to allow machine tool carriages to start easily and move smoothly throughout their travel. Its clear coloration makes it easy for machine operators to see machined parts while in operation.

## What are slideway lubricants?

Machine slideways are used where a linear motion is required between two components; as in machine tools, stamping presses, planers, printing presses, lumber mill saw carriages and drilling machines. Ways are parts of a machine tool that slide over each other, in either a horizontal, vertical or V-shaped manner.

Slideway lubricants are necessary to reduce friction and prevent stick-slips, which can cause carriage chatter and result in erratic operations, tool errors, defects and substandard final products.

## Why TCS Slideway Lubricant

TCS Slideway is designed to lubricate open ways and protect the working surface from dirt contamination as it's exposed during operation. This makes it possible for machines to function continuously with little downtime or labor-intensive maintenance.

The oil has excellent resistance to wash-off and spray-off which minimizes the accumulation of "tramp oil" in the coolant sump. Tramp oil can potentially lead to bacterial or fungal growth. TCS Slideway Lubricant's superior demulsibility offers quick separation from the coolant, making it easy to skim from the reservoir.

TCS Slideway Lubricant is the only water-white way oil in the industry and is formulated with extreme-pressure properties to prevent scoring during carriage travel, a tackiness additive to improve adhesion so oil isn't squeezed off the slideway, and proprietary additives that protect against rust and corrosion.

## Summary

When your machinery goes down or causes tool errors, your operations suffer and final products can be compromised. High-quality machine tool way lubricants like TCS Slideway help keep machinery running in peak condition to ensure efficient operations. In addition, TCS Slideway Lubricant can contribute to additional cost savings through the reduction in oil usage as a result of a reduced rate at which the lubricant is applied to the slideway. This reduction in oil usage can add real value to customers by saving them money, as well as maintenance time.

Save time and money by choosing a clearly superior oil for your machine tool slideways—TCS Slideway from Phillips 66 Lubricants.

### Applications:

- Horizontal and vertical slideways on machine tools, stamping presses, planers and drilling machines
- Printing presses
- Lumber mill saw carriages
- Other applications that require a clear, tacky slideway oil

### Features/Benefits:

- Excellent anti-stick-slip performance
- Excellent coolant-separating properties (demulsibility)
- Water-white in color for easy visibility
- Protects against scoring and wear
- Good adhesion for retention on slideways
- Protects against rust and corrosion
- Non-staining
- Zinc free
- Ashless additive chemistry
- Very low phosphorus

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For information about TCS Slideway, call the Phillips 66 Lubricants Technical Hotline at **877.445.9198** or visit **[phillips66lubricants.com](http://phillips66lubricants.com)**