

## PRODUCT INFORMATION

# ECOSE<sup>®</sup> WAY OILS

**ECOSE<sup>®</sup> Way Oils** are specially formulated with premium base stocks and newly formulated light colored performance chemistry designed to offer greater extreme pressure protection to the equipment while offering improvements in water separability, rust, and corrosion performance. **ECOSE<sup>®</sup> Way Oils** eliminate stick-slip or table chatter by reducing friction between mating surfaces. These fluids offer higher Timken Load results and will meet the requirements of General Motor's LS-2 specification.

### FEATURES AND BENEFITS:

**ECOSE<sup>®</sup> Way Oils** are fortified with non-staining lubricity agents to eliminate the phenomena known as "stick-slip" and prevent the leapfrog motion of the machine tool table on its way. The incorporation of tackifiers keeps the fluid in place on both horizontal and vertical ways and assures smooth table action even at low speeds under heavy workloads. **ECOSE<sup>®</sup> Way Oils** contain a highly-effective, light colored extreme pressure additive system designed to prevent scoring of slideways and guides. Additionally, they offer the following benefits:

- Excellent water separation
- Good foam resistance
- Outstanding 'metal-wetting' properties
- Non-corrosive to copper and aluminum
- Exceptional rust, corrosion, and wear protection
- Excellent thermal and oxidation stability
- Lighter color to provide good visibility of slideways

### APPLICATIONS:

**ECOSE<sup>®</sup> Way Oils** are recommended for slides and ways of planers, grinders, mills, lathes, screw machines, drilling machines, boring machines, and other tools and machines. They may also be applied to the bearings and gears of other machinery requiring the special properties of a way oil. **ECOSE<sup>®</sup> 32 and 68** are generally recommended for dual purpose hydraulic and way lubrication where the hydraulic system operates at less than 1,000 psi.

### SELECTION:

**ECOSE<sup>®</sup> Way Oils** are available in three ISO viscosity grades (ISO VG) to comply with most industrial applications. **ECOSE<sup>®</sup> 32** is classified as a light way oil and is recommended for small, lightly loaded equipment. **ECOSE<sup>®</sup> 68** is classified as a medium way oil; **ECOSE<sup>®</sup> 220** is classified as a heavy way oil and recommended for more severe applications. Follow equipment manufacturer recommendations for appropriate viscosity grade.

### AVAILABILITY:

**ECOSE<sup>®</sup> Way Oils** are available throughout Nu-Tier Brands' marketing area. Your Nu-Tier representative can provide specific information. Need additional information? Call Nu-Tier Brands @ 1-877-771-LUBE (5823) or visit [Nu-tierbrands.com](http://Nu-tierbrands.com).

## Typical Properties

<b>ISO Viscosity Grade</b>		<b>32</b>	<b>68</b>	<b>220</b>
Product Code	<b>Test Method</b>	536490	536491	536493
API Gravity, 60°F	ASTM D-287	32.0	31.0	28.5
Viscosity, cSt @ 40°C	ASTM D-445	32.0	68.0	220
Viscosity, cSt @ 100°C	ASTM D-445	5.5	9.0	19.5
Viscosity Index	ASTM D-2270	107	107	100
Rust, Syn. Sea Water	D-665B	Pass	Pass	Pass
Flash Point, COC, °F	ASTM D-92	403	425	510
Pour Point, °F	ASTM D-97	-15	-5	5
Timken OK Load, lb	ASTM D-2782	60+	60+	60+
Water Separability	ASTM D-1401	40/40/0(20)	40/40/0(20)	40/40/0(30)
Copper Corrosion	ASTM D-130	1b	1b	1b