



Product Bulletin

GULFWAY®

Gulfway® lubricants 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. **Gulfway®** 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:

Gulfway® 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. **Gulfway®** 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:

Gulfway® lubricants 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. These way lubricants meet the requirements of Cincinnati Machine "Stick Slip" test. **Gulfway® 32** and **68** are generally recommended for dual purpose hydraulic and way lubrication where a premium light and medium grade viscosity is required.

SELECTION:

Gulfway® lubricants are available in five ISO viscosity grades (ISO VG) to comply with most industrial applications. **Gulfway® 32** is classified as a light way oil and is recommended for small, lightly loaded equipment. **Gulfway® 68** is classified as a medium way oil; **Gulfway® 150** is classified as a medium/heavy way oil; **Gulfway® 220 and 320** are classified as heavy way oils and recommended for more severe applications. Follow equipment manufacturer recommendations for appropriate viscosity grade.

AVAILABILITY:

Gulfway® lubricants are available throughout Gulf's marketing area. Your Gulf representative can provide specific information. Need additional Information? Call Gulf @ 1-800-566-GULF (4853) or visit Nu-tierbrands.com.

Typical Properties

ISO Viscosity Grade		32	68	150	220	320
Product Code	Test Method	336490	336491	336492	336493	336494
Viscosity, cSt @ 40°C	ASTM D-445	32.1	67.8	150	219	320
Viscosity, cSt @ 100°C	ASTM D-445	5.3	8.7	15.0	19.4	25.8
API Gravity, 60°F	ASTM D-287	31.0	30.0	29.5	28.5	28.2
Viscosity Index	ASTM D-2270	100	100	100	100	105
Rust, Syn. Sea Water	D-665B	Pass	Pass	Pass	Pass	Pass
Flash Point, COC, °F	ASTM D-92	403	425	460	510	522
Pour Point, °F	ASTM D-97	-5	-5	5	5	14
Timken OK Load, lb	ASTM D-2782	60+	60+	60+	60+	60+
Water Separability	ASTM D-1401	40/40/0(20)	40/40/0(20)	40/40/0(30)	40/40/0(30)	
Water Separability % water in oil % emulsion	ASTM D-2711	0.25 0	0.25 0	0.30 0	0.30 0	
Thermal Stability	CM B24	Pass	Pass	Pass	Pass	Pass
Copper Corrosion	ASTM D-130	1b	1b	1b	1b	1b
ISO Cleanliness Rating		19/17/14	19/17/14	19/17/14	19/17/14	
Cincinnati Machine Spec. No.		P-53	P-47	--	P-50	--