



# Product Bulletin

## GULFWAY WAY OILS

**Gulfway** lubricants are formulated with premium paraffinic base stocks, providing optimal slideway performance over extended periods of time. These base oils display a rich, dark color that identifies these lubricants as high-quality way lubes.

### 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 work loads. They contain a highly-effective extreme pressure additive to prevent scoring of slideways and guides. Additionally, they offer the following benefits:

- Good foam resistance
- Outstanding ‘metal-wetting’ properties
- Non-corrosive to copper and aluminum
- Exceptional rust, corrosion, and wear protection
- Excellent thermal and oxidation stability

### APPLICATIONS:

**Gulfway** lubricants are recommended for slides and ways of planers, grinders, millers, 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, and ISO VG 68 and 220 meet the specification requirements of Cincinnati Machine P-47 and P-50, respectively.

### SELECTION:

**Gulfway** lubricants are available in three 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-heavy way oil and **Gulfway 220** is classified as a heavy way oil and recommended for more severe applications. Follow equipment manufacturer recommendations for appropriate viscosity grade.



**AMERICAN REFINING GROUP, INC.**

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**AVAILABILITY:**

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

**Gulfway Way Oils - Typical Properties**

<b>ISO Viscosity Grade</b>		<b>32</b>	<b>68</b>	<b>220</b>
Product Code	<b>Test Method</b>	336490	336491	336493
Viscosity, cSt @ 40°C	ASTM D-445	32	68	220
Viscosity, cSt @ 100°C	ASTM D-445	5.5	9.3	19.8
Viscosity, SUS @ 100°F	ASTM D-2161	165	351	1,160
Viscosity, SUS @ 210°F	ASTM D-2161	44.7	57.6	100.3
Viscosity Index	ASTM D-2270	108	112	103
Color	ASTM D-1500	7.5	8.0	8.0
Visual Appearance		Tacky/ Stringy	Tacky/ Stringy	Tacky/ Stringy
Pour Point, °F (°C)	ASTM D-5949	-30 (-33)	5 (-15)	10 (-12)
Flash Point, COC, °F (°C)	ASTM D-92	375 (190)	410 (210)	460 (236)
Sulfur Content, Mass %	ASTM D-4294	0.59	0.57	0.61
API Gravity, 60°F	ASTM D-1298A	31.5	29.9	27.6
Density, lbs/gal (g/L)	Calculated	7.228 (866)	7.30 (875)	7.406 (887)