



# SAW GUIDE OIL

## (Gang Saw Oil)

Gang saws are a challenge to lubricate. The lubricant must mix with water and yet protect against wear when spinning saw blades rub against the saw guide. Often shock loads will pierce the oil film resulting in sacrificial guide pad wear. In addition the fluid is formulated to prevent corrosion in this high water environment and adhere to metal surfaces that are saturated with cooling water and accomplish all this with only a thin film of oil delivered through the guide pad. Fortunately, **SAW GUIDE OIL** is specially designed to handle these challenges.

**SAW GUIDE OIL** is specially designed for gang saw lubrication. They are formulated from high quality paraffinic base oils and selected additives to enhance specific properties.

**SAW GUIDE OIL** contains special extreme pressure additives that increase film strength and guard against wear in adverse conditions. It contains a special agent that displaces water from metal surfaces so the metal is fully coated by corrosion resistant oil. In addition, they contain a tackiness agent to improve oil cling to the saw blade and guide to keep the oil where it is needed. These features allow **SAW GUIDE OIL** to control the lubrication between the guide and the saw. This results in improved reliability resulting in fewer guide change outs and lower maintenance cost.

### SYSTEM MAINTENANCE

In most parts of the United States a mixture of oil and water is used when cutting cants. A careful balance of oil to water must be maintained for proper operation and often maintenance problems are due to a misbalance between the oil and water.

Ironically excessive water (coolant) will generate heat and wear on the pads if the ratio of water to oil is too high. Inadequate oil or lack of lubricant to the guide pad will also generate heat. Hence an optimal ratio of water to oil should be obtained and recorded in the lube survey for the each gang saw.

Gang saws in cold climates can operate without water when cutting frozen wood.

Saw dust dampness is the best indication of whether a system is tuned up.

### BENEFITS:

- WITHSTANDS HEAVY SHOCK LOADS
- REDUCES WEAR AND CORROSION
- EXCELLENT LUBRICITY
- HIGH TACKINESS IMPROVES CLING AND REDUCES OIL MISTING
- DISPLACES WATER FROM METAL SURFACES
- LOWERS MAINTENANCE COST

### APPLICATIONS:

**SAW GUIDE OIL** is recommended for all brands of gang saw equipment. They avoid filter plugging and help reduce pitch buildup or staining. In addition, they have been proven effective in lubricating pistons and packings in water injection pumps.



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### TYPICAL CHARACTERISTICS

ISO Viscosity Grade	100	150
Product Code	13135	13136
API Gravity (ASTM D-1298)	28.1	27.1
Base Oil Viscosity: (ASTM D-445)		
cSt @ 40°C	96	150
cSt @ 100°C	11.0	15.5
Viscosity Index (ASTM D-2270)	99	106
Pour Point (ASTM D-97)		
°F	0	+15
(°C)	(-18)	(-9)
Flash Point (ASTM D-92)		
°F	480	480
(°C)	(249)	(249)
Timken OK Load, lbs (ASTM D-2782)	60	60
Four Ball EP (ASTM D-2783)		
Weld Point, kg	250	250
Load Wear Index	48	48

The above data is subject to usual manufacturing variation. For more information and availability, call 1-800-442-LUBE.  
7/28/2008