



CLARITY[®] SAW GUIDE OIL

46, 100, 150

PRODUCT DESCRIPTION

Clarity[®] Saw Guide Oils are designed to lubricate saw blades and guides in saw equipment.

CUSTOMER BENEFITS

Clarity Saw Guide Oils deliver value through:

- **Clean cutting** — Helps reduce excessive drag that slows cutting.
- **Exceptional performance** in low water and low oil consumption saw systems.
- **Excellent low temperature properties** — Low pour point and proprietary formulation help keep guide holes, lines and filters free from build-up associated with low temperatures.
- **Excellent rust and corrosion protection**
- **Excellent lubrication** due to oily film on saw blade.
- **Operator comfort** — Low odor.
- **Sufficient tackiness and water mixing** — Allows the oil to cling to saw and guide components.
- **Environmental sensitivity** — Clarity Saw Guide Oil passes stringent EL/LL50 Acute Aquatic Toxicity testing (OECD 201, 202, 203). Tested with fingerling rainbow trout, daphnia, freshwater algae, and Mysid shrimp using a water accommodated fraction up to 5000 mg/liter (fifty times the minimum pass rate of the LL50 test.) The test results were obtained during the development of the product line and are considered representative of any/all commercial samples. Ashless formulation facilitates conventional recycling.
- **Low toxicity** — Inherently biodegradable and has very low acute aquatic toxicity to both fish and invertebrates based on tests of water

accommodated fractions.¹ Ashless formulation facilitates conventional recycling programs.

FEATURES

Clarity Saw Guide Oils are designed to promote long saw guide and saw blade life in thin kerf saw equipment, when operating in severe service and reduced cooling water modes.



Clarity Saw Guide Oils are formulated with premium base oil technology and specially selected ashless additives to reduce friction between saw and guide components in thin kerf saw equipment.

The oil's lubricity performance helps minimize rust and corrosion problems, while reducing friction to allow much cooler operation.

Clarity Saw Guide Oils have been formulated with effective rust inhibitors to help prevent rust formation.

Oiliness and EP properties help provide excellent film strength for boundary lubrication and extreme pressure conditions.

Clarity Saw Guide Oils help to allow the correct mixing of oil and water and have tackiness properties to enable the lubricants to cling to saw and guide components.

1. Based on testing of similarly formulated product.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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APPLICATIONS

Clarity Saw Guide Oils are specifically formulated to lubricate modern thin kerf sawing systems. Clarity Saw Guide Oils' performance properties have been field proven to meet the severe requirements of this application.

Clarity Saw Guide Oils are especially recommended for use in many saw systems, including those manufactured by: CAE (Newnes, McGehee), Optimil, Salem, TMT, Ukiah, and USNR (Kockums CanCar, Schurman).

TYPICAL TEST DATA

ISO Grade	46	100	150
<i>Product Number</i>	255199	255201	266188
<i>SDS Number</i>	6716	6716	6716
API Gravity	32.0	30.7	29.8
Viscosity, Kinematic cSt at 40°C cSt at 100°C	43.7 7.0	95.0 11.3	143 14.5
Viscosity, Saybolt SUS at 100°F SUS at 210°F	224 50	494 65	749 78
Viscosity Index	118	110	100
Flash Point, °C(°F)	242(468)	262(504)	274(525)
Pour Point, °C(°F)	-33(-27)	-33(-27)	-30(-22)
Rust Prevention, ASTM D665 Procedure B, 24 h	Pass	Pass	Pass

Minor variations in product typical test data are to be expected in normal manufacturing.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.