

# PIRANHA CLEAR CUTTING OIL C-31

HEAVY DUTY - ACTIVE - TRANSPARENT CUTTING OIL



A PRODUCT OF LUBRICATING SPECIALTIES COMPANY

## Product Description



**PIRANHA CLEAR CUTTING OIL C-31** is a transparent cutting oil developed from selected naphthenic base stocks plus active sulfur, chlorine and fatty oils. The unique combination of chlorine, sulfur and fat provides the extreme pressure properties and lubricity required for the most difficult machining operations.

Similar to LSC Dark Cutting Oil D-15 in extreme pressure properties and machinability characteristics, but the transparency of this oil permits operator to better see work piece being cut.

**NOTE: NOT RECOMMENDED FOR NON-FERROUS METALS SUCH AS ALUMINUM, COPPER OR BRONZE AS THIS ACTIVE CUTTING OIL WILL STAIN THESE METALS.**

## Applications & Uses:

- A transparent cutting oil recommended for difficult to machine ferrous and ferrous alloys.
- Used in broaching, heavy duty threading, tapping, gear shaving, boring, thread and form grinding and thread rolling of ferrous and ferrous alloys with machinability ratings of over 70% to below 40%.
- Also used in reaming, gear cutting and plain drilling of hard carbon and alloy steels with machinability rating of 50% to below 40%.

## Features & Benefits:

- Transparent heavy duty cutting oil - Permits operator to see work piece being cut.
- One oil satisfies 80% of all cutting operations reducing inventory.
- Provides smooth surface finish.
- Reduces tool/work piece temperature.
- Extends cutting tool life.
- Anti-mist properties.

## Typical Test Data

TEST	ASTM	C-31
Gravity, ° API	D-4052	20.5
Flash Point, ° C.	D-92	168
Color	D-1500	1.5
Viscosity: cSt. @ 40 °C.	D-445	40.5
Active Sulfur, WT. %		2.2
Chlorine, WT. %		2.4
Fatty Oils, WT. %		4.0

\* CONTAINS HIGH PERFORMANCE ADDITIVE CHEMISTRY.  
VALUES SHOWN HERE ARE TYPICAL AND MAY VARY.

## TECHNICAL PRODUCT INFORMATION

PRODUCT CODE: 39016

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08.17