

## JICHUAN PIRANHA CHLORINE-FREE

### CLEAR CUTTING OIL C-31 CF

AN ENVIRONMENTALLY FRIENDLY GENERAL HEAVY DUTY - ACTIVE -  
TRANSPARENT CUTTING OIL

#### PRODUCT DESCRIPTION:

JICHUAN PIRANHA CLEAR CUTTING OIL C-31 CF is a transparent\* oil that provides superior performance to oils containing chlorine. The unique combination of additives and oils 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.

#### TYPICAL USES:

- A transparent cutting oil recommended to all difficult machining on 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%.
- Not recommended for non-ferrous metals such as aluminum, copper or bronze as this active cutting oil will stain these metals.

#### FEATURES:

- Transparent Heavy Duty Cutting Oil – Permits operator to see work piece being cut.
- One oil satisfies 80% of all cutting operations - reduces inventory.
- Provides smooth surface finish.
- Reduces tool/workpiece temperature.
- Extends cutting tool life.
- Anti-mist properties.
- Chlorine-free nature of this oil makes it readily disposable.
- Dyed green for easy identification.

#### TYPICAL INSPECTIONS

GRAVITY, °API	22.6
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Shanghai Jichuan Trading Co., Ltd.

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# Shanghai Jichuan Trading

FLASH POINT,°F.	355
COLOR	GREEN
VISCOSITY:	
SUS@100°F.	214
cSt@40°C.	41
ACTIVE SULFUR,WT.%	2.2
FATTY OILS,WT.%	2.0

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY

\*Note: This product is darker due to new state of the art technology.

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