Baum's Castorine Co., Inc.
Manufacturing Chemists Since 1879

# DURA QUENCH 437 SYNTHETIC

Dura Quench 437 is a true synthetic fluid that provides excellent annealer quench performance.

When used as a quench, the fluid provides effective cooling and cleanliness and will not foam. It will suspend fines to be carried to filters. It does not leave a sticky hard salt-like deposit on machines or parts. The dried residue from the coolant is fluid and oily.

It is effective as a quench lubricant of copper and aluminum alloys.

## SPECIAL FEATURES:

It will reject draw lubricant emulsion so that tramp oil can be skimmed off without affecting coolant.
Excellent rust protection for ferrous and aluminum materials.
Non-gumming. Residue is fluid and not sticky.
Machines stay clean.
No smoke or oil mist. Does not contain oil.
Mixes well in all waters up to 500 ppm water hardness.
Long coolant life. **Dura Quench 437** is stable against bacterial and fungi growth.
Excellent anti-foam control for high volume quench operations.

## Typical Physical Properties:

| | |
|---|---|
| Fluid type | Synthetic |
| Appearance | Yellow green liquid |
| Odor | Bland |
| Specific Gravity @ $60^0$ F | 1.07 |
| Weight per gallon, lbs | 8.92 |
| pH of concentration | 9.80 |
| pH of 20:1 dilution ( 5% ) | 9.20 |

## SOLUTION CONTROL:

Dilutions of Dura Quench 437 can be determined using an optical refractometer such as American Optical No. 10440.

Refractometer Reading (Degrees Brix): Each percent concentration of product reads indirectly on the Brix scale. A refractometer reading should be multiplied by 2.5 to obtain a % concentration of Dura Quench 437. A 5% dilution will read 2.0 on the scale. This method is used for rapid in-plant control of solution strength.

## PRODUCT SAFETY:

For complete safety and health information, consult the current Safety Data Sheet (SDS).