

DESCRIPTION

Servocut S-700 is a water soluble type superior quality cutting oil, which yields rich milky stable emulsion even with hard water. Special emulsifiers have been incorporated to ensure stable emulsion upto 700 ppm water hardness. The emulsion formed is homogeneous and stable in nature and does not split during usage or routine machine shut down periods, under normal conditions. Servocut S-700 exhibits improved emulsion stability, cast iron corrosion protection and bio-stability characteristics at high water hardness (700 ppm) in comparison to conventional soluble cutting oils.

APPLICATION

Servocut S-700 is recommended for variety of cutting operations on ferrous and non-ferrous metals as a soluble cutting oil where water hardness is very high (700 ppm maximum). This product provides longer sump life due to improved emulsion stability.

Servocut S-700 is recommended at a concentration of 5% in normal water (150-200 ppm water hardness) for machining and cutting operations. Use 2 to 4% concentration for grinding application.

PERFORMANCE BENEFITS

- Provides extended emulsion life even with higher hardness of water.
- Superior cooling and lubricating properties which contribute towards clean work, excellent surface finish and minimum tool wear.
- When used as a grinding coolant, contribute towards long grinding wheel life, and minimized wheel loading.
- Protects work-piece, machine components and tool materials from rust and corrosion.
- Enables obtain superior finish and accurate tolerances to the parts machined.

PERFORMANCE STANDARDS

Servocut S-700 meets IS : 1115-1986 specifications (Reaffirmed 1996).

CHARACTERISTICS

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| Kinematic Viscosity, cSt @ 40°C (typical) | 30 – 50 |
| Flash Point (COC), °C Min. | 178 |
| Copper strip corrosion @ 100°C | 1 |
| Cast Iron Corrosion test 20:1 in water of 700 ppm hardness | 0/1-1 |

HEALTH & SAFETY

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

For further information please contact our nearest office OR:

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