

UNITED EDM 120

Product Description

Premium quality transparent Electrical-Discharge-Machine fluid offering excellent resistance to oxidation under the typical conditions of constant air exposure and high temperatures encountered during EDM work, thereby reducing sludge formation and increasing oil life. The viscosity of this oil allows for ready circulation of the fluid, even through narrow spark gaps, resulting in rapid dissipation of heat. It is also specially formulated to allow rapid settling of metal fragments before recirculation to prevent distortion of spark values and improve finish quality. This fluid is readily filterable and is non-corrosive. It is virtually colorless and odorless.

This oil has a high flash point that minimizes the possibility of fire during use, provided that normal safety measures are followed. It offers superior electrical discharge, uniform insulation and rapid deionisation of the fluid after eroding spark discharges.

Applications / Benefits

- * Superior dielectric properties
- * Excellent oxidation resistance
- * Colorless
- * Odorless

Typical Characteristics

Test Description	Method	Unit	
Density @ 15 °C	ASTM D 4052	kg/L	0.780
Flash Point	ASTM D 92	°C	120
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	3.3
Initial Boiling Point (IBP)	ASTM D 86	°C	274
Aromatic Content	SMS 2728	%m/m	<0.1

Reference No.
EDM3.3-120REVO

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