



## LUBRITA MAGNA CARRIER OIL

LUBRITA Magna carrier oil provides excellent particle mobility, good suspension stability and enhanced corrosion protection for reliable, spec-compliant mag particle inspections. Magna carrier oil is made with highly refined petroleum oil with virtually no odour for improved operator comfort, while the high flash point and low toxicity reduce EHS concerns.

### **BENEFITS**

• Faster, more reliable inspections • Increases inspection speed and reliability by quickly wetting the entire test surface. • Magnetic particle baths last longer due to slow evaporation, and is less susceptible to contamination from bacteria or fungus. • Protects magnetic particles like 14A from wear and tear and keeps them evenly dispersed throughout the bath Safer to use. • High flash point and low toxicity. • Carrier oil can go anywhere in an inspection line without worrying about fire or biological hazards. • Carrier oil is also effective as a glass grinding fluid.

### **FEATURES**

• Odourless. • Provides excellent particle mobility. • Good dispersion stability. • Protects parts and equipment against corrosion. • Provides superior wetting and surface coverage.

• Low maintenance oil-based suspension. • Very low toxicity. • Non-fluorescent. • High flash point.

• Low volatility. • Wide temperature stability.

### **APPLICATIONS**

LUBRITA Magna carrier oil exhibits high di-electric strength which provides insulation of the tool and work piece which helps controlling electric discharge during the machining operation. It is used in Plunge electric discharge machining. It is used as carrier oil to check the cracks on the pipe development in the process.

### **TEST PARAMETERS:**

S:no	Test	Test Methods	Unit	Specification
1	Appearance	Visual	-	Clear & Bright
2	Crackle Test	Visual	-	Nil
3	Density @ 29.5 °C	ASTM D 1298	Kg/m <sup>3</sup>	0.7855
4	Kinematic Viscosity @ 40°C	ASTM D 445	mm <sup>2</sup> /s	2-3
5	Flash Point COC	ASTM D 92	deg.C	80-110

### **USE RECOMMENDATIONS**

Temperature Range	12 to 49°C
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**Note: Lubrita Magna Carrier Oil Self Life : 2 Years from date of manufacturing.**