



Product Data

Castrol Superedge No.7™ Heavy Duty Emulsifiable Cutting Oil

Description

Castrol Superedge No.7 is a heavy-duty emulsifiable cutting oil. Superedge No. 7 owes its increased lubricating properties to the presence of Sulpho-Chlorinated additives. This product is specially designed for severe operations on difficult to machine materials where more expensive neat oils were used. This product is also recommended for general purpose light to medium duty pressing, stamping, wire and tube drawing operations.

Application

This product is suitable for all machining operations, including high speed grinding. Its value is shown particularly in arduous machining operations and where high degree of finish is required.

Recommended Dilutions

| Operation | Mild & Low carbon steels | Low alloy steels | High alloy steels | Aluminium & alloys |
|----------------------------------|--------------------------|------------------|-------------------|--------------------|
| Multi spindle automat operations | 3.5% | 5% | 7% | 4% |
| Gear roughing | 5% | 5% | 10% | 4% |
| Deep hole drilling | 5% | 5% | 7% | 5% |
| Broaching | 5% | 7% | 10% | 5% |
| High speed grinding | 2.5% | 2.5% | 4% | 2.5% |

Advantages

| Product Feature | Operational Advantage | Customer Benefit |
|---|---|---|
| Sulpho - chlorinated EP additives | Good anti-chip welding properties hence can be used for heavy-duty operations. | Can replace neat oils hence economical. Increased tool life. |
| | Prevents wheel loading in grinding of 'stingy' metals like stainless steel and other alloys | Less dressing frequency of grinding wheels. Excellent finish on components. |
| Anti-bacterial and anti-rust properties | Longer emulsion life. No corrosion problem. | Economy in use. Less rejections |
| Ferrous and non-ferrous can be machined | Variety of operations over a wide range of materials can be done | Rationalisation of products used |

Castrol Superedge No.7
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Characteristics

| Characteristics | Typical Value |
|-----------------------------|--------------------|
| Appearance | Clear & Homogenous |
| Emulsion Type | Brown Translucent |
| Emulsion Stability | |
| 5%v/v Emulsion in Tap water | Stable for 24hrs |
| 5%v/v Emulsion 250HW | Stable for 24hrs |
| 5%v/v Emulsion 500HW | Stable for 24hrs |
| pH Value, 5 % in Dist Water | 9.0 |
| Cast Iron Corrosion | 0/0-0 |

The above are typical figures and do not constitute a specification.

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