

LA 232H NEAT CUTTING OIL

ISO 36

DESCRIPTION

LA 232H ISO 36 is an extreme pressure mineral non-soluble cutting oil with low odour characteristics for machine operator's comfort. LA 232H is confined to heavy operations such as gear cutting, broaching, turning, threading and tapping. It contains an extreme pressure additive system, rust and anti-foam additives for long tool life, good heat transfer and surface finish.

APPLICATION

LA 232H is designed for lower speed machining with heavier cuts such as gear cutting, drilling, broaching of steel, stainless steel, aluminium, copper and other alloys.

LA 232H performs extremely well on ALL metals including Aluminum, Stainless Steel and exotic alloys. LA 232H can be used for centerless grinding, form grinding, creep feed grinding, plunge grinding, belt grinding and flute grinding. LA 232H can also be used for light machining operations.

BENEFITS

- Chlorine free
- Compatible with all metals
- Non staining on ferrous and non-ferrous metals
- Easily removed in end product applications.
- Longer tool life
- High performance additive technology provides consistently high surface finish, dimensional accuracy and increased tool life, delivering lower process operating costs.
- Excellent anti chip welding and flushing properties, ensures problem free operations

| | Cast Iron | Low – Medium Alloyed Steel | High Alloyed steel/ nickel-chromium alloys | Titanium Alloys | Aluminium Alloys | Yellow metals |
|-----------------------------|-----------|----------------------------|--|-----------------|------------------|---------------|
| Honing/Superfinishing | - | - | - | - | - | - |
| Grinding | ✓ | ✓ | ✓ | - | ✓ | ✓ |
| Drilling/Deep Hole Drilling | ✓ | ✓ | ✓ | - | ✓ | ✓ |
| Broaching/Gear Cutting | ✓ | ✓ | ✓ | - | ✓ | ✓ |
| General Machining | ✓ | ✓ | ✓ | - | ✓ | ✓ |

FEATURES & OPERATIONAL BENEFITS

| FEATURES | ADVANTAGES AND OPERATIONAL BENEFITS |
|------------------------------|---|
| Longer cooling life | Free flowing with enhanced heat dissipation characteristics |
| High Viscosity Index | Absence of wax in base oils Performs in both low and high temperatures |
| Effective cooling | Lowers friction and increase efficiency in sliding and cutting mechanisms Reduces the effects of heat grab and micro welding. |
| High load cutting efficiency | Protects metal surfaces and cutting tools under heavy loads. |
| Balanced additive chemistry | Delivers exceptional performance in relation to rust and corrosion prevention, foam control and air release performance. Facilitate reduced maintenance operation in a wide range of cutting tip replacement. |

TYPICAL PROPERTIES

| LA 232H NEAT CUTTING OIL | | |
|--------------------------------|------------|--------|
| ISO Viscosity Grade | | 36 |
| Product Code | | 61232H |
| ISO Viscosity Grade | | 36 |
| Viscosity, | | |
| cSt, @ 40°C | ASTM D445 | 36 |
| Density, @ 20°C | ASTM D1298 | 0.87 |
| Appearance, Visual | | Amber |
| Pour Point, °C, | ASTM D5950 | -39 |
| Flash Point, °C, | ASTM D92 | >180 |
| Copper Corrosion, 3 hr @ 100°C | ASTM D130 | 1b |