



Tarmond PCF 535

THREAD CUTTING OIL

Product Description:

Tarmond PCF 535 is a high-performance neat cutting oil developed with refined base oils, high-performance EP additives, and advanced ester technology. It is specifically designed for heavy-duty machining applications such as tapping, broaching, deep-hole drilling, and the machining of alloy steels. It provides excellent lubricity, strong corrosion protection, and effective mist control. The oil extends tool life, allows higher cutting speeds, and improves surface quality.

Applications:

It is recommended for all heavy duty machining operations including gear cutting, tapping, pressing, broaching on difficult to machine materials. This product is not suitable for non-ferrous metals.

Benefits:

- ❖ Advanced additive technology delivers high extreme pressure (EP) lubricity, extending tool life and helping lower production costs
- ❖ Improved surface finish, dimensional accuracy, and increased cutting speeds improve process efficiency and reduce rejects
- ❖ Wide-range machining capability helps reduce product inventories
- ❖ No staining of ferrous slideway parts or fixtures
- ❖ Anti-mist additive reduces misting and oil usage in high-speed operations, providing a clean and pleasant working environment

Technical Data:

| Tarmond PCF 535 | Test Method | |
|-------------------------------------|-------------|-------------|
| Colour | Visual | Brown |
| Density at 15°C, gr/cm ³ | ASTM D 4052 | 0.86 - 0.88 |
| Viscosity at 40 °C, cSt | ASTM D 445 | 32 - 34 |
| Flash Point, °C | ASTM D 92 | 225 |
| Pour Point, °C | ASTM D 97 | -36 |
| Copper Corrosion at 100 °C | ASTM D 130 | 1b |

Above values are the typical values of the products and may vary with each batch.