NEMCO LUBRICANTS & CHEMICALS

Product Data Sheet

Heavy Duty Thread Cutting Oil

General Purpose Cutting Oil

DESCRIPTION

Nemco Heavy Duty Thread Cutting Oil is formulated with a combination of straight paraffin oils and special additives that provide improved performance in metal removal and metal forming applications on ferrous metals. The light-colour, low-odour, high-sulphur content polysulphide additive formula provides outstanding extreme pressure (EP) properties. Nemco Thread Cutting oil has been developed for machining tough ferrous alloys, as well as mild steel and cast iron. This product has a light amber appearance and will usually not cause staining of metal surfaces, and provides outstanding performance on difficult-to-machine metals.

Nemco Heavy Duty Thread Cutting Oil not only reduces cutting forces but provides better surface finish and longer tool life. Most cutting fluids operate as both a coolant and lubricant with the cooling effect operating independently of the lubricating action. A balance between coolant and lubricant is necessary to achieve good surface finish at low speeds and longer tool life at high speeds.

Advantages

- Mild odour, light colour, non-staining
- Stabilized to eliminate sulphur drop out in storage
- Synergistic enhanced performance with Extreme Pressure® agents
- Does not affect the transparency of cutting fluids; provides high work piece visibility
- High sulphur content provides cost-effective formulating options on a percent sulphur basis

Applications

- A general purpose cutting oil for machining tough ferrous alloys, as well as mild steel and cast iron
- Can be used for hand and machine pipe threading, milling, shaping, planning, lathe work, drilling, grinding, tapping and pipe perforating

Notes

Always check you service manual for proper applications.

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Typical Characteristics – Heavy Duty Thread Cutting Oil

Test	Result
Viscosity cSt at 40°C cSt at 100°C	 30.6 4.7
Flash point °C (°F)	175 (347)
Colour	Light Amber

Physical characteristics shown in the table are typical and may vary slightly.

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