

Syntilo 9926

Synthetic coolant

Description

Castrol Syntilo™ 9926 is a mineral oil and formaldehyde releasing agent free synthetic coolant. It contains an additive package that provides good corrosion protection to machine tools and parts. The fluid also provides excellent product stability which helps to lower the overall operational costs.

Syntilo 9926 is suitable for large central systems and single sump machines.

Application

Syntilo 9926 is developed for surface, cylindrical, double disk, internal and centreless grinding. This product is also recommended for milling, turning, boring, drilling and tapping on cast iron, low carbon and alloy steel.

ü ü suggested core application ü possible application, please consult Castrol representative prior to use

| | Cast Iron | Low-medium alloyed steel | High alloyed - stainless steel | Aluminium alloy | Titanium alloy | Tungsten Carbide |
|--------------------------------------|-----------|--------------------------|--------------------------------|-----------------|----------------|------------------|
| Grinding | ü ü | ü ü | ü ü | | | |
| Milling, Turning (general machining) | ü ü | ü ü | ü | | | |
| Drilling | ü ü | ü | ü | | | |
| Reaming, Tapping | ü ü | ü | ü | | | |
| Broaching | ü ü | ü | | | | |

Advantages

- Extended fluid life can help to reduce maintenance and downtime
- Low foam in recommended water conditions (see details below)
- Rejects tramp oil to the surface of the fluid for easy removal
- Settles chips quickly to prevent grinding wheel build-up and maintain a clean working environment
- Formaldehyde releasing agent and nitrite free which help you to fulfil aspects of legislative requirements and waste treatment requirements where applicable

Typical Characteristics

| | Test Method | Unit | Value |
|----------------------|--------------------------|------|--------------|
| Concentrate | | | |
| Appearance | Visual | | Light Yellow |
| Mineral oil content | Calculated | Wt% | 0 |
| Solution | | | |
| Appearance | Visual | | Transparent |
| pH (5%) | DIN 51369 ASTM E70-97 | | 9.0 |
| Refractometer Factor | | | 2.1 |

Subject to usual manufacturing tolerances.

Recommended Concentrations

| | |
|-------------------|----------|
| Grinding | 4 – 6% |
| General Machining | 4 – 10% |
| Drilling | 6 – 10% |
| Reaming | 6 – 10% |
| Broaching | 10 – 15% |

Water range 0 - 400 ppm CaCO₃

Additional Information

| | Boron | Formaldehyde releasing agent | EP-Ester | Amines |
|-----------|-------|------------------------------|----------|--------|
| Additives | ü | | ü | ü |

Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer the product safety data sheet.

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28 Apr 2016
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