



# Aminol Quench Oil 320

## Product Data Sheet

Quench oil

### Product description

Aminol Quench Oil 320 is a high-quality quenching fluid designed for the heat treatment of ferrous metals across various quenching processes. Crafted to facilitate deep and uniform hardening, it minimizes distortion and cracking, ensuring a smooth surface finish.

### Application

Aminol Quench Oil 320 is recommended for the conventional and fast quenching of ferrous metals, such as carbon steel, gray iron, and alloy steel.

### Features & Benefits

- Controlled cooling rate to minimize cracking and distortion
- Achieves a good surface finish
- Demonstrates excellent oxidation resistance and thermal stability
- Low volatility reduces oil loss through vaporization

### Typical Properties

| Property                     | Unit               | Test method | Typical value |
|------------------------------|--------------------|-------------|---------------|
| ISO viscosity grade          | -                  | -           | 320           |
| Density at 15°C              | g/cm <sup>3</sup>  | ASTM D4052  | 0.899         |
| Kinematic Viscosity at 40°C  | cst                | ASTM D445   | 320.0         |
| Kinematic Viscosity at 100°C | mm <sup>2</sup> /s | ASTM D445   | 23.69         |
| Viscosity Index              | -                  | ASTM D2270  | 93            |
| Flash Point (COC)            | °C                 | ASTM D92    | 256           |
| Pour Point                   | °C                 | ASTM D97    | -6            |

Typical property characteristics are based on current production. Whilst future production will conform to Aminol specifications, variations in these characteristics may occur.

### Performance claims

- ISO 6743-14 L-UHA
- ISO 6743-14 L-UHB



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### Health, Safety & Environment

#### Health and Safety

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained. For further guidance on Product Health & Safety, refer to the appropriate Safety Data Sheet, which can be obtained upon request or through our website: [www.aminol.az](http://www.aminol.az)

#### Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil, or water.

### Available pack sizes

- 1 L Canister plastic
- 4 L Canister plastic
- 5 L Canister plastic
- 7 L Canister plastic
- 20 L Canister plastic
- 30 L Canister plastic
- 200 L Drum sheet metal
- 1000 L Container

### Storage

- We recommend to store all packages under cover.
- Where outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings.
- Products should not be stored above 60 °C, exposed to hot sun, or freezing conditions.

### Notes

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