

# NEEDELA

ISO VG 10, 22, 32

## Product Description

NEEDELA is high performance needle and sinker oil. Developed from refined white paraffinic base oil and special additives. Suitable for oil circulation system in circular knitting machine subject to lubricate needles, sinkers, needle cams, needle cylinders dial and sinker rings. Products provide unique ability to wash off easily and efficiently.

## Benefits

- Ensure protection from wear and rust
- Provide oxidation stability and long service life
- Ensure excellent washability and rinse out of fabric in water.
- Suitable for the application with pump and spraying system
- Reduce oil consumption and maintain a cleaner workplace

## Applications

- Suitable for circular knitting machine.
- Can be used in both circular double knit and circular single knit machines.
- Can be used in all knitting machine speed conditions and needle types

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## Typical Characteristics

Tests	Methods	Units	Results		
			10	22	32
Kinematic Viscosity at 40 °C	ASTM D445-12	mm <sup>2</sup> /s	11.24	22.4	30.8
Density at 30 °C	ASTM D4052	g/ml	0.848	0.858	0.87
Rust Preventive			Pass	Pass	Pass
Flash Point (COC)	ASTM D92-12b	°C	170	190	210
Copper Strip Corrosion	ASTM D 130		1b	1a	1a

## Note

Due to various influencing factor of scouring and blenching process. Processes may different for each user. Thus, oil spot contamination on fabrics can be occurred in various way. No express or imply any recommendation regard to removing oil stain on fabric significantly. The product should consult with technical service and always be tested scourability under real condition in particular site.

## Health and Safety

This product shows no significant health or safety hazard when used under the recommended applications and suitable handling.

Avoid the direct contact. Wash immediately after contact. Health and safety information is available on the Safety Data Sheet (SDS) which can be obtained from <http://pttlubricants.pttor.com>

**PTT LUBE SOLUTIONS** Professional Lubricant Service Partner



The product can cause some skin irritation and has flash point higher than 93.4°C

Note: Data and information contained in this publication are based on standard test under laboratory conditions and/or performance test. To consider the use of PTT Lubricants' products in particular application, customer is responsible for determining whether product and information are appropriate for customer conditions or should consult with PTT Lubricants' technical service division. The procedure of using any lubricant may differ or change depended on different machines and their manuals. Therefore, we recommend to read, understand and review the latest SDS in order to ensure the use of product is accomplished safety.

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