

## Needle Oil

### Descriptions

- *PTT NEEDELA 10, 22, 32*: are low viscosity industrial lubricating oil for knitting machines, produced from high quality paraffinic base oil which exhibits high performance and long service life. PTT Needela 10, 22, 32 contain rust and oxidation inhibitors.

### Special Properties

- Ensure protection from wear and rust
- Provide oxidation stability and long service life
- Ensure excellent washability and rinse out of fabric in water.
- Minimize formation of spray mist
- Reduce oil consumption and maintain a cleaner workplace

### Applications

- Suitable for all types of industrial knitting machines
- Can be used in both circular double knit and circular single knit machine operation
- Can be used in all knitting machine speeds and needle types

### Reference Standards

### Typical Values

	10	22	32
- Specific Gravity @ 30 °C	0.829	0.844	0.849
- Viscosity @ 40 °C, cSt	10.57	21.84	33.61
- Viscosity @ 100 °C, cSt	2.84	4.39	5.71
- Viscosity Index	116	110	110
- Flash Point (COC), °C	174	207	226
- Copper Strip Corrosion, 3 h @ 100 °C	1b	1a	1a