

RENOLIN DTA 2

Highly ageing-resistant, zinc- and ash-free spindle oil, lubricating oil

Description

RENOLIN DTA 2 was developed for use in rapidly rotating spindles of machine tools or grinding machines. RENOLIN DTA 2 is a zinc- and ash-free spindle oil based on selected mineral oils together with additives to improve the ageing stability and corrosion protection. Due to the specific combination of base oils and additives, RENOLIN DTA 2 has excellent air release properties and a low foaming tendency. At high rotating speeds RENOLIN DTA 2 is able to build a stable lubricating film. The additives are zinc- and ash-free, and they protect the spindle bearing materials (e.g. yellow metal material, steel, cast iron) in the application. RENOLIN DTA 2 has excellent demulsifying properties and separates water rapidly.

Application

RENOLIN DTA 2 can be used as a universal spindle oil (without AW/EP requirements) in rapidly rotating spindles.

RENOLIN DTA 2 was successfully tested and approved in Landis Lund grinding machines, machine tools (Landis Lund, UK).

Advantages

- **Excellent air release**
- **Low foaming**
- **High ageing stability**
- **High oxidation stability**
- **Excellent corrosion protection**
- **Zinc- and ash-free**

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Typical technical data:

Properties	Unit		Test Method
Density at 15 °C	kg/m ³	805	DIN 51757
Kinematic viscosity at 40 °C	mm ² /s	2.2	DIN EN ISO 3104
Colour	ASTM	0.5	DIN ISO 2049
Flashpoint, Pensky Martens	°C	100	DIN EN ISO 2719
Pourpoint	°C	- 27	DIN ISO 3016
Neutralization number	mgKOH/g	0.1	DIN 51558-2
Air release at 50 °C	min	1	DIN ISO 9120
Foaming, Sequ. I to III			
24 °C, immediately/after 10 min	ml	20/0	ASTM D 892
93,5 °C, immediately/after 10 min	ml	0/0	ASTM D 892
24 °C after 93,5 °C, immed./after 10 min	ml	20/0	ASTM D 892
Steel corrosion	Degree of corrosion	0-A 0-B	DIN ISO 7120
Copper corrosion	Degree of corrosion	1 – 100 A48	DIN EN ISO 2160