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TDS089**SUBJECT: OIL SPECIFICATIONS****ENVIRONMENTAL & QUALITY MANUAL**
*(in accordance with SABS ISO 9001 & 14001)***VISCOL ROLLING N60**

Rolling N60 is a compounded roll oil ready for use as delivered to the customer. It is made with base oils low in sulphur and other impurities, which ensures excellent performance in both ferrous and non-ferrous mills, as well as freedom from metal staining. The additives used have been carefully selected to give maximum performance in the applications for which the oil is recommended. Rolling N60 has excellent filterability characteristics in circulating systems, even with the finest precoat filtration.

| PROPERTY | UNITS | TEST METHOD | TYPICAL VALUES |
|-------------------------------|-------------------|-------------|----------------|
| Ash Content | % m/m | ASTM D 482 | NIL |
| Copper Corrosion (3h @ 100°C) | - | ASTM D 130 | 1B |
| Density @ 20°C | Kg/m ³ | ASTM D 4052 | 867.7 |
| Neutralisation Number | Mg KOH/g | ASTM 974 | 0.1 |
| Odour | - | Olfactory | Mild |
| Pour point | °C | ASTM D 97 | -7 |
| Viscosity @ 40°C | cSt | ASTM D 445 | 8.44 |

APPLICATION

N60 can be used:

- As a non-staining oil for cold-rolling copper alloys such as brass and German silver.
- For cold rolling carbon steel and stainless steel grips
- As a hydraulic oil in specially designed low viscosity, low pressure (below 100 atmospheres) hydraulic systems of rolling mills to avoid contamination of the roll oil fill by conventional hydraulic oils.
- In all types of mills including multi-roller mills such as the Sendzimir and Sundwig, where it can also be used to lubricate the mill bearings.

PACKAGING

N60 is a light yellow fluid available in bulk, 210 litre drums and 20 litre pails.

Experienced personnel from our Technical Division are available for discussion on all aspects. Recommendations are given in good faith but without warranty. It is the user's responsibility to determine the suitability for his/her own use.

The products discussed are sold without any warranties either expressed or implied, including warranties of merchantability and of fitness for particular purpose.

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