

## Chainguard 230

High temperature, long life, EP chain and conveyor lubricant

### Product Overview

ROCOL® CHAINGUARD 230 is an ester based high temperature chain oil specifically formulated for the lubrication of all drive and transport chains and bearings running continuously at temperatures up to 230°C and up to 280°C for short periods.

The oil is formulated from a combination of synthetic esters and a special antioxidant package which ensures the highest performance in terms of thermal stability, low evaporation loss and minimal deposit formation.

### Features and Benefits

- Wide operating temperature range +10°C to +230°C continuous (+280°C short periods).
- Special antioxidant combination gives longer wet film life with lower deposit and varnish formation.
- The low evaporation rate of the product gives extended re-lubrication intervals and good in use economy.
- Outstanding extreme pressure (EP) and anti-wear performance (225kg weld load).
- Excellent frictional properties give reduced power consumption on chain drive units.
- Excellent anti-wear properties at high temperature gives reduced wear and longer chain life.
- Low fuming provides a clean and safe working environment.
- Does not form hard carbon deposits.
- Compatible with most ester based fluids.

### Directions for Storage and Use

- ROCOL CHAINGUARD 230 should be stored unopened in the original container.
- Storage temperature should be between +1°C and +40°C.
- If stored in accordance with the above guidelines the shelf life for ROCOL CHAINGUARD 230 is 3 years from date of manufacture.
- ROCOL CHAINGUARD 230 has been designed for application by automatic lubricators used in accordance with the lubricator manufacturer's instructions.
- ROCOL CHAINGUARD 230 can also be applied by hand directly to the chain by using a brush or oilcan if required.

### Typical Applications

- ROCOL CHAINGUARD 230 has been specifically designed for applications such as textile stenters, drying machines, paint stoving ovens, bakery ovens and similar high temperature chain applications.
- ROCOL CHAINGUARD 230 (formerly CL200) is approved by Bruckner as a "Chain lubricant for horizontal and vertical return stenter chains and chain rail lubrication".

### Pack Sizes

Pack Size	Part Code
5L	22255
20L	22265

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Property	Test Method	Result
Colour	Visual	Blue liquid
Base Oil Type	N/A	Synthetic ester mixture
Kinematic Viscosity:	IP 71 (ASTM D445)	
cSt @ 40°C	IP 71 (ASTM D445)	360
cSt @ 100°C	IP 71 (ASTM D445)	27
Temperature range		
Continuous	N/A	+10°C to +230°C
Short periods	N/A	+280°C
Density (g/cm <sup>3</sup> )	N/A	0.98
4 ball weld load	IP 239 (ASTM D2596)	225kg
Mean hertz load	IP 239 (ASTM D2596)	39kg
Evaporation loss at 200°C	N/A	7% in 24 hours
Evaporation loss at 240°C	N/A	10% in 6 hours

Values quoted above are typical and do not constitute a specification.

### Safety Data Sheets

Safety data sheets are available for download from our website [www.rocol.com](http://www.rocol.com) or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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T +44 (0) 113 232 2600  
 F +44 (0) 113 232 2740  
 E [customer-service@rocol.com](mailto:customer-service@rocol.com)  
[www.rocol.com](http://www.rocol.com)

ROCOL House, Swillington, Leeds LS26 8BS

Registered Company No. 559693 VAT No. 742 0531 67  
 Registered Office: Admiral House, St Leonard's Road, Windsor, Berkshire SL4 3BL

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