

Regal® NT 100

Premium circulating oil for no-twist rod mill system



Product description

Regal® NT 100 is a high-performance circulating oil especially designed to deliver exceptional equipment protection in steel mills and associated equipment. It's carefully balanced formulation provides excellent water separation and wear protection properties which are much needed for a reliable operation.

Customer benefits and product features

Customer benefits

- **Excellent demulsibility**
Helps ensure good lubricant film strength and minimal wear through quick water separation.
- **Water, rust & corrosion protection**
Allows for satisfactory performance when contaminated with cooling water and iron oxides coming from the mill.
- **Long oil life**
Provided by excellent thermal and oxidation stability, resulting in consistent performance and protection throughout.
- **Excellent air release**
Minimizes entrained air which otherwise could result in low lubricant film strength between moving parts and pump cavitation.
- **Advanced technology additive package**
Provides anti-wear protection in high speed and load applications.

Product features

- Regal NT 100 is a high performance circulating oil designed to provide excellent lubrication and bearing protection for challenging industrial applications such as those found in the steel industry.
- Regal NT 100 is designed to meet the circulating oil requirements of Morgan No Twist Rod Mills and Danieli No Twist Stand Block Mills.

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Applications

- Circulating oil for lubrication of gears, rolling and plain bearings in medium-high conditions of load and speed typically encountered in No-Twist Rod Mill Systems from Morgan (Primetals Technologies), Danieli, etc.
- Suitable for use for applications requiring mild EP, rust and oxidation (R&O) type of oils including general lubrication of reduction gears and bearings.
- Enclosed industrial gear systems under low or moderately loaded conditions requiring mild EP performance.

Approvals, performance and recommendations

Regal NT 100 meets requirements of the following specifications:

- Danieli Standard 0.000.001 Revision 15 - 0.597654.F Mineral Oil - Type 21 ISO VG 100
- Primetals Technologies Morgan No-Twist Mill Oil Specification

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Typical test data

REGAL NT 100		
ISO Grade		100
Product Code		520069
Density @ 15°C	ASTM D4052	0.8706
Kin. Viscosity		
mm ² /s @ 40°C	ASTM D445	95
mm ² /s @ 100°C	ASTM D445	11.25
Viscosity Index	ASTM D2270	105
Pour Point, °C	ASTM D97	-33
Flash Point, COC, °C	ASTM D92	>250
Air Release @ 50°C	ASTM D3427	4.5
RPVOT, Mins	ASTM D2272	841
Demulsibility Test	ASTM D2711A	
Free water, ml		42
Water in Oil, %		0.6
Oil Emulsion Volume, ml		0
FZG, Fail Load Stage	ASTM D5182	>12

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ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions, and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the Product Information Center.

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Chevron company product

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