



# Finnexx Tarrus

DCL 7000

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## **PRODUCT DESCRIPTION**

Finnexx Tarrus DCL 7000 is high performance cylinder lubricant developed for Slow-speed crosshead type marine 2-stroke diesel propulsion engines, burning high Sulphur residual fuels. The product also covers applications in 2-stroke engine service in land based powerplant operations.

## **CUSTOMER BENEFITS**

- **Extends ring and liner life**  
The highly alkaline detergent additive system ensures that acidic by-products from the combustion of high Sulphur residual fuels are effectively neutralised to minimise ring and cylinder liner wear.
- **Reduces maintenance costs**  
The special combination of highly refined base oils and highly detergent additive system minimises deposit formation in the ring belt zone to prevent ring sticking. Deposits in the combustion chamber and exhaust port areas are also minimised. High viscosity ensures effective lubrication even under high load conditions thereby reducing frictional wear and preventing scuffing of liners, pistons and rings.

## **APPLICATIONS**

- Cylinder lubrication of crosshead diesel engines operating in both marine and land based stationary powerplant operations, burning residual type fuels where the Sulphur contents are higher than 3.0%.
- It is also suitable for use in stern tube systems where cylinder oils of its type and viscosity grade are recommended. It should not be mixed with compounded type oils which are sometimes used in the same application.

## **PERFORMANCE**

Recommended for major OEMs for use in their Slow-speed crosshead engines operating at high specific outputs and high thermal loads

## **SERVICE CONSIDERATION**

Finnexx Tarrus DCL 7000 is a 75 Base Number product and it is important with all Slow-speed 2-stroke diesel engines BN selection must be matched to the properties of the fuel and to the severity of the application. Use of an oil with a BN lower than required can result in rapid corrosive wear. Excessively high BN lubricants, relative to fuel sulphur content, can result in ash deposit accumulation and result in scuffing. Finnexx Tarrus DCL 7000 is normally recommended for use with fuels which have Sulphur levels of above 3.0%. Finnexx Tarrus DCL 7000 is not recommended as a system oil for crosshead engines.



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## TYPICAL TEST DATA

Characteristic	Test methods	SAE 50
Kinematic viscosity at 40°C, mm <sup>2</sup> /s	ASTM D445	203
Kinematic viscosity at 100°C, mm <sup>2</sup> /s	ASTM D445	17.2
Viscosity Index	ASTM D2270	90
Density at 20°C, kg/l	ASTM D4052	0.901
Base Number, mg KOH/g	ASTM D2896 ASTM 4739	75 75
Pour Point °C	ASTM D97	-12
Sulphated Ash, wt %	ASTM D874	9.3
FZG Fail Load Stage	DIN 51354	11
Flash Point °C	ASTM D92	240

Values are typical of production but will be subject to variation.

**Health & Safety Note** – Always maintain good levels of personal hygiene when handling mineral oils. Wear protective clothing/gloves. Wash hands and skin areas where contact has occurred and avoid ingestion. See applicable Material Safety data Sheet for further information.