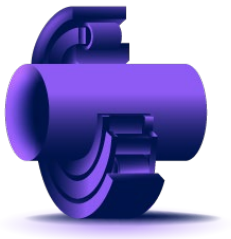
cyclon® ENGINEERED TO PERFORM

TECHNICAL PRODUCT SHEET

LEDA CR

ISO 100, 150, 220, 320, 460



DESCRIPTION

LEDA CR series consists of premium-quality R&O lubricants formulated with excellent oxidation resistance, strong demulsification properties, and a high viscosity index. They are suitable for a wide range of industrial applications and are designed to provide long service life, ensuring reliable protection and stable performance under demanding operating conditions.

APPLICATIONS

LEDA CR series is suitable for large low-pressure circulation systems, including both rolling and plain bearings, where a simple and reliable lubricant is sufficient. It is also recommended for vacuum pumps and hydraulic systems that require an HH-type fluid, as well as total-loss lubrication systems, providing dependable performance across a wide range of industrial applications.

SPECIFICATIONS

DIN	51524 Part 1 HL	ISO	6743-4 (ISO-L-HL)
DIN	51517 Part 2 CL	ISO	6743-6 (ISO-L-CKB)

PROPERTIES

LEDA CR features a high viscosity index and a low pour point, ensuring reliable performance across a wide temperature range. It provides effective foam control for stable operation and offers outstanding protection against rust and oxidation, contributing to longer equipment life and consistent system cleanliness.

BENEFITS

LEDA CR ensures excellent viscosity retention, helping extend the overall life of the system. It is suitable for all-weather applications and supports smooth, reliable operation under varying conditions. Its stable formulation allows for extended oil service intervals, contributing to reduced maintenance and improved operational efficiency.

cyclon®

ENGINEERED TO PERFORM

TECHNICAL PRODUCT SHEET

PHYSICAL-CHEMICAL CHARACTERISTICS

LEDA CR	METHOD	ISO 100	ISO 150	ISO 220	ISO 320	ISO 460
Density at 15°C, g/cm^3	ASTM D4052	0.886	0.889	0.890	0.891	0.890
Viscosity, Kinematic (cSt) 40°C	ASTM D445	100	150	220	320	460
Viscosity, Kinematic (cSt) 100°C	ASTM D445	11.2	14.6	19.1	23.1	30.0
Viscosity index	ASTM D2270	97	97	97	96	95
Flash point, COC, °C	ASTM D92	256	260	264	274	280
Pour point, °C	ASTM D97	-21	-18	-18	-15	-15
Copper corrosion	ASTM D 130	1a	1a	1a	1a	1a
Foam Tendency / Stability, ml Sequence I Sequence II Sequence III	ASTM D892	 10 / 0 10 / 0 10 / 0	 10 / 0 10 / 0 10 / 0	 20 / 0 20 / 0 20 / 0	 20 / 0 20 / 0 20 / 0	 30 / 0 30 / 0 30 / 0
Demulsibility, min.	ASTM D1401	5	5	10	10	20
Air release, min	ASTM D3427	-	3.0	3.5	3.8	4.0

The above mentioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.

HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).

USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.