TECHNICAL DATA SHEET

Alusynt® HTCL

SPECIAL SYNTHETIC LUBRICANT OIL FOR CHAINS OPERATING ALSO AT HIGH TEMPERATURES

Description

Alusynt® HTCL is a high performance synthetic lubricant oil, designed to guardantee an efficient protection to trasmission chains and mechanical parts operating also at very high temperatures.

Alusynt® HTCL is formulated with selected additives, giving the product good greasy, anti-oxidant and anti-wear properties. The quality of the synthetic base oils guarantees no residues and deposits formation even at high working temperatures.

Alusynt® HTCL has excellent penetration capacity and high affinity with the metal surface, to reach the most difficult points, guaranteeing excellent lubrication and no dripping. Furthermore, the low evaporability ensures a long stay of the product on the lubricated part.

Alusynt® HTCL formulation guarantees a longer life in service compared to the most common chains oils available on the market, delivering significant maintenance costs reduction.

Features

- ✓ ***Excellent penetrating properties***, which allow the product to penetrate between links, pins and rollers of the chains.
- ✓ ***Great affinity with metal surfaces***, for a strong adhesion to the surface, ensuring excellent lubrication.
- ✓ ***High lubricant and greasy properties***, to minimize frictions, ensuring the correct movement of the chain joints.
- ✓ ***Low evaporability***, which means low product consumption and mechanical parts always lubricated.
- ✓ ***No formation of residues*** and deposits.
- ✓ ***High anti-wear, anti-rust and anti-corrosion power***, to minimize friction and to ensure protection to metal surfaces of all equipments.
- ✓ ***High oxidation resistance and thermal stability***, to ensure long life in service and to prevent residues formation.

Main Uses

Alusynt® HTCL is designed for :

- Transmission chains, conveyor belts and chains operating also at very high working temperatures
- Belt chains exposed to severe working conditions (solvents, paints and acidic or basic environments)
- Chains and belts of baking and painting ovens, calender in the plastic sector
- In viscosity grades 260 - 380 it is particularly suitable for rameuses chains.

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Technical Data

	Method	Units	Typical Value						
ISO Viscosity Grade	ASTM D 2422	-	**100**	**150**	**220**	**260**	**320**	**380**	**460**
Density at 20°C	ASTM D 1298	g/cm^3	0,960	0,965	0,970	0,970	0,970	0,970	0,970
Viscosity at 40°C	ASTM D 445	mm²/s	105,0	152,7	218,9	267,7	313,4	385,1	473,6
Viscosity at 100°C	ASTM D 445	mm²/s	11,21	14,99	19,41	21,31	23,06	26,80	31,23
Viscosity index	ASTM D 2270	-	91	98	100	95	92	94	96
Pour Point	ASTM D 97	°C	- 24	- 24	- 21	- 18	- 15	- 15	- 15
Flash Point (C.O.C)	ASTM D 92	°C	> 280	> 290	> 290	> 290	> 300	> 300	> 300
Copper Corrosion	ASTM D 130	-	1a						
FZG Fail Stage	DIN 51354	-	Exceed 12° stage						
NOACK Evaporability (1h a 250°C)	ASTM D 5800	%	2,14%	1,31%	1,32%	1.31%	1,30%	1,32%	1,29%

- ***Alusynt® HTCL*** suggested thermal range usage : from ISO 100 to 220 : -18 - ÷ 270°C

  ISO 260 to 460 : -12 ÷ 280 °C

- ***Alusynt® HTCL*** is compatible and mixable with mineral and synthetic lubricants, except those based on polyalkylene glycol (PAG).
- ***Alusynt® HTCL*** is compatible with the most common types of seals and paints used in gears and gearboxes.
- Store the product in its closed original container in a protected area and not exposed to sunlight and rain.
- ***Aluchem*** owns the following certifications: UNI EN ISO 9001:2015, KOSHER, HALAL.

Product Tiering: Top

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