

QUAKERTEK™ ALC - 00 HV

Applications:

SERVICE GREASE FOR LARGE OPEN GEAR DRIVES

QUAKERTEK™ ALC - 00 HV belongs to the high performance open gear lubricants program and is specifically designed for those large mills and kilns open gear drives in the cement, mining and ceramic industries, for service working conditions.

It is a homogeneous semi-fluid grease, whose consistency makes it perfectly sprayable by air-grease spraying systems, although it is also suitable to be applied by sump lubrication in old equipments. It has a high unctuousity and tackyness to stay sticked on straight or helical tooth flanks. Its tenacious lubricant film combined with the right additive selection makes possible to hold against extreme vibrating loads, guaranteeing very low consumptions and promoting the increase of the teeth contact area. As a result, the wear is minimized and vibrations are absorbed.

Main Benefits:

QUAKERTEK™ ALC - 00 HV is based on an aluminium complex thickener, a very high viscosity semi-synthetic base oil, chemically active extreme pressure additives and a solid lubricants blend with specially selected granulometry and anti-wear characteristics that makes an optimum lubricant to preserve a perfect geometry in high load mill and kiln gears.

It shows excellent water resistance properties, as well as extraordinary rust and corrosion protective attributes, which are essential for machineries located in adverse environments. Provides a highly adhesive lubricant film to avoid pitting and scuffing build up on teeth flanks, promoting the progressive roughness smoothening and balancing contact temperatures along its surfaces.

Produced with highly refined paraffinic mineral oil and synthetic polymers with very low aromatic polycyclic hydrocarbons content. Totally exempt of heavy organometallic compounds (lead, barium, antimony, etc.) as well as solvents and chlorine derivates, this the grease can be considered as “environmentally friendly”.

Specifications:

Classification according to DIN 51502: OGP 00K-10

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Typical Characteristics:

Colour	Black
Thickener type	Aluminium complex
Base oil, viscosity at 40°C, ASTM D-445, mm ² /s	1500
NLGI Grade	00
Worked penetration 60 strokes ASTM D-217, 1/10mm	405
Water resistance at 90°C, DIN 51807	0
Emcor test, DIN 51502	0-0
Four ball machine	
Weld point, ASTM D-2596, kg	850
FZG test (A/2.8/50), ISO 14635-3, failure load stage	>12
Operating temperature, °C	-10 to 120

Storage:

- Store at room temperature away from water, moisture or ignition sources.
- Avoid storage outside in open air.
- Store in closed containers.
- Avoid spillage in water and on the ground.
- Dangerous reaction with strong oxidizers.
- Avoid the transfer to other packaging. If inevitable, put a label on the new one.

For more information on the safe handling and use of this product, refer to its Material Safety Data Sheet.