

OGL 3K/6K/8K FLUIDPRESS HD (Heavy duty & Biodegradable Fluid)

(Heavy duty Biodegradable Semi synthetic thick fluid lubricant, especially for use on medium-size to large girth gear drives, Rotary Grinding Mills & Kilns)

DESCRIPTION:

OGL 3K/6K/8K FLUIDPRESS HD is a premium lubricant of a new generation developed specifically for the lubrication for very high powered medium to large size with low speed gear drive to large girth gear drives tooth flanks, rotary mills & kilns. It is synergistic high performance biodegradable organic fluids blend with very high viscosity base oil and synthesized hydrocarbons, resulting in “gel-type” compounds with thixotropic properties, which ensures thicker and stronger film stability form a ring is capable to resist the large heavy loaded in roller mill bearings & large girth gear drives at minimal consumption. It contains small dosage of synthetic (PAO) ester additives with white solid lubricants Mox-Active (Organo Molybdenum Complex) technology an improvement friction modifier additive creates a passive film on friction surfaces before friction occurs, optimum wear protection and an extremely low coefficient of friction even under extreme pressures, heavy vibrations & high shock loads. Its high viscosity at all temperatures boosted with exclusive additives based on bismuth gives it an incredible extreme pressure performance with functional lubricant film from -20°C to + 120°C.

OGL 3K/6K/8K FLUIDPRESS HD additive is non-toxic ecofriendly, it doesn't contain any bitumen, heavy metals, chlorine and solid particles or any other type of solvents. It has been formulated to environmental protection engineering norms. Its chemistry provides high shock loads and heavy vibration, high temperature & low speed both exist in indoors and outdoors in both cold & high temperature applications and gives high protection by minimizing metal-to-metal contact and wear of the friction elements, avoiding seizure & expensive repairs.

FEATURES AND BENEFITS

- Excellent wear protection due to formation of an extreme thick lubricating film.
- Very high load carrying capacity due to a special high performance additive combination.
- Noise and vibration reducing properties resulting from the high lubricating film thickness
- Extends bearings life and gives longer relubrication intervals.
- Excellent flow and pump-ability for automatic centralized and Individualized systems.
- Thermally stable, can withstand high shock loads, and minimizing metal to metal contact.
- Good sealing properties against hot water, cane juice and dirt-laden environments.
- Extreme high adhesive power on metal surfaces, Low consumption & Immediate monetary savings, High protection against seizure and wear, avoiding expensive repairs.
- It's an Environment friendly and Organic fluid. It does not contain any bituminous, toxic additive, heavy metals, chlorine and other solid particles or any other type of solvents.

FORMS OF APPLICATION AND USES

- **OGL 3K/6K/8K FLUIDPRESS HD** has been designed to lubricate: Grinding Mills, Kilns, Shovels, Draglines, Calciners, Journal, Roller & Sleeve bearings, Transmission brasses, Crown wheels, Gear tooth flanks, Transmissions open gears & Crystallizer transmission gears & Rotating dryer gears with the capability to resist the permanent attack of pollutants as steam vapour, water, juice and trash.
- **Application Industry:** Sugar, Steel, Paper, Mining, Cement, Chemical, Marine & Offshore.
- **OGL 3K/6K/8K FLUIDPRESS HD** can be applied by high pressure spray systems, immersion, transfer paddle wheel, pressure fed circulation and total loss spray lubrication systems. It is suggested for heavy duty gear drives working at low speeds.

PROPERTIES OF OGL 3K/6K/8K FLUIDPRESS HD (Biodegradable Oil)

Specification	Test Method	OGL 3K	OGL 6K	OGL 8K
Color & Appearance	Visual	Sticky, Tacky & Golden Brown		
Base Oil Type	-	Synergistic		
Solid content	-	Mox-Active & PAO Ester		
Density @29.5 °C	ASTM D4052	0.89 to 0.93	0.89 to 0.94	0.89 to 0.94
Viscosity @ 40°C	ASTM D445	2800 - 3200	4800 - 6000	7500 - 8500
Viscosity @ 100°C	ASTM D445	225 -250	350 - 380	430 - 450
Viscosity index	DIN ISO 2909	195	220	215
Flash point °C	ASTM D97	+180	+180	+180
Pour Point °C	ASTM D93	-10	-10	-10
Copper strip corrosion	ASTM D4048	1b	1b	1b
4-Ball Weld Load in kgs	ASTM D2266	> 800	> 800	> 800
4 Ball Weld Scar Diameter mm. max	ASTM D2266	0.5 to 0.6	0.5 to 0.6	0.5 to 0.6
FZG Load Stages Passed	DIN 51354	> 12	> 12	> 12
FZG Specific Mass Loss (mg)	DIN 51354	20	20	20
EMCOR Rust Protection	ASTM D6138	0,0	0,0	0,0
Water Washout	ASTM D1264	2.5%	2.5%	2.5%
Rust Prevention Properties	ASTM D1743	pass	pass	pass
Operating temperature °C	-	-20°C to 120°C	-20°C to 120°C	-20°C to 120°C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	-	36 months	36 months	36 months

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