

SMB 20K FLUIDPRESS Biodegradable (Heavy Duty Sugar Mill Bearing Oil)

(Certified & Approved by NSF Organization, Company No: C077291 NSF registration No: 166842)

DESCRIPTION: SMB 20K FLUIDPRESS is a premium lubricant of a new generation developed specifically for the lubrication of medium-size to large girth gear drives and journal bearings. It is semi-synthetic 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’s bearings & large girth gear drives at minimal consumption. SMB 20K FLUIDPRESS additive is non-toxic ecofriendly and chemistry provides high shock loads and heavy vibration, high temperature & low speed both exist in indoors and outdoors in both cold and high temperature applications and gives high protection by minimizing metal-to-metal contact and wear of the friction elements, avoiding seizure & expensive repairs. SMB 20K FLUIDPRESS lubrication has much better and good in performance compared to metallic soap greases because it doesn’t block up pipes, which usually happens because of the oil, soap & solid lubricant separation when working under high hydraulic pressure generated by the pumps of centralized and Individualized systems. It has been formulated to environmental protection engineering norms, it doesn’t contain any bitumen, heavy metals, chlorine and solid particles or any other type of solvents. SMB 20K FLUIDPRESS is biodegradable & non-toxic: 93.82%.

FEATURES AND BENEFITS

- Low consumption & Immediate monetary savings.
- 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.
- Extreme high adhesive power on metal surfaces.
- Noise and vibration reducing properties resulting from the high lubricating film thickness
- Extends bearings life and gives longer relubrication intervals.
- High protection against seizure and wear, avoiding expensive repairs.
- Highly loaded bearings in water/steam contaminated environment, no need for external cooling.
- 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.
- High drop point ensures extended operating temperature range upto -10°C to 160°C.
- Biodegradable Organic fluid with non-bituminous, non-toxic additive and Environment friendly.
- Elimination of accidents occurring by spills of asphaltic oils & other graphite greases and environmental impact caused by the big volumes of lubricant waste commonly generated in sugar industry.

FORMS OF APPLICATION AND USES

- **SMB 20K FLUIDPRESS** has been designed to lubricate: - Journal, Roller & Sleeve bearings, Transmission brasses, Crown wheels, 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 mills large heavy loaded in roller journal bearings & large girth gear drives**, Steel, Paper, Mining, Cement, Chemical, Marine & Offshore.
- **SMB 20K FLUIDPRESS** can be applied by high pressure spray systems but, immersion or circulation lubrication is possible too. It is suggested for heavy duty gear drives working at low speeds. This range is strongly recommended in Sugar, cement, mining, chemical and power plants.

PROPERTIES OF SMB 20K FLUIDPRESS Biodegradable Oil

Color & Appearance	Golden Brown
Base Oil Type	Semi-Synthetic
Density @29.5 °C	0.92
Viscosity @ 40	20000-22000
Viscosity @ 100	800
Flash point °C	+ 240
Pour Point °C	-16
Copper corrosion	1a
4-Ball Weld Load in kgs	>800
% Solid content	0.0%
FZG test	>12
EMCOR Rust Protection	0,0
Copper corrosion	1a
Operating temperature °C	-10°C to 160°C
NSF registration No:	166842

USAGE & CONSUMPTION

- Consumption savings of up to 1:10 compared to asphaltic (bitumen) oils and up to 20% to 30% compared to other graphite greases on immediate monetary savings.
- The quantity of **SMB 20K FLUIDPRESS** required to lubricate a triplet or mill, doesn't exceed an average of 3.5 ltrs to 4 ltrs a day, being also capable to lubricate the crown wheels, by means of an appropriate dripping system by adjusting the consumption levels to **SMB 20K FLUIDPRESS** best performances, depends on the type of lubrication system is used.

The indicated specific consumption quantities are based on the following assumptions:

- 1.) No major damage to the tooth flanks.
- 2.) Sufficient contact ratio.
- 3.) Through and regular inspection and maintenance of the gear drive and the spray system.
- 4.) Normal operating conditions.
- 5.) Good spray pattern on and off time of pumping grease.
- 6.) The lubricant temperature must be set to allow unimpeded pumping and spraying. This depends on the type of lubrication system used and also by adjusting the consumption levels.

Powermaxx Sugar Mill bearing oil (SMB 20K FLUIDPRESS biodegradable oil) is Certified & Approved by NSF Organization from USA.



Nonfood Compounds

Powermaxx Lube India
501,5th floor,Veena
Killedar Ind. Estate
Pais street, K.K. Marg
Opp. Godrej Plant,
Byculla
Mumbai City,MM 40001
India
November 11, 2022

Registration may be verified at
nsfwhitebook.org



AJ McCardell

AJ McCardell
NSF Nonfood Compounds
Registration Program
Company No: C0722971

Certificate of Registration

Powermaxx Lube India has achieved Registration status for SMB 20K FLUIDPRESS (Biodegradable Oil) to the NSF International Registration Guidelines for Proprietary Substances and Nonfood Compounds (2022) .

SMB 20K FLUIDPRESS (Biodegradable Oil)

Category Code: H2

NSF Registration No. 166842

This product is acceptable as a lubricant where there is no possibility of food contact (H2) in and around food processing areas. Such compounds may be used as lubricants, release agents, or antirust films on equipment and machine parts in locations in which there is no possibility of the lubricant or lubricated part contacting edible products.

Registration of this product is current when the NSF Registration Mark and Category Code appear on the product label reviewed by NSF, and the Registered product name is in the NSF White Book™ (www.nsfwhitebook.org).

Listing of all registered nonfood compounds by NSF International is not an endorsement of those compounds or of any performance or efficacy claims made by the manufacturer.

POWERMAXX LUBE INDIA

Website: www.powermaxxlube.com Email: info.powermaxx918@gmail.com, info@powermaxxlube.com

Contact Number: 996748763, 7506973307