

Special Lubricants For Sugar Mill Tandems

Since 1998, we design lubricants for journal bearings, pinions and crown wheels for cane sugar mill tandems, for maximum fiber content (384 i.e). The guidelines to develop specialized lubricants and provide application technical support have been and still are our focus. Our achievements that obtain and benefit our customers:

- **Environmental impact reduction**, compared to traditional lubrication practices applied to those mechanisms.
- **Effective cost reduction of lubrication**.
- **Increase in Safety and Hygiene**, for formulations free of harmful asphalts, solvents or heavy metals.
- **Extension of useful life of mechanisms**, by efficient lubrication with specific designed lubricants.

Because of our experience in design and field application, already taken in more than 400 mills from 38 countries, we offer an exclusive proposal of options:

Special Lubricants For Sugar Mill Tandems	JOURNAL BEARINGS				PINIONS		CROWN WHEELS	
Technology	high viscosity technology		COMPOUND technology			high viscosity technology		
general characterization	Biodegradable	FOOD GRADE NSF H1 & HALAL	Biodegradable	FOOD GRADE NSF H1 & HALAL	WATERPROOF	pinions	crown wheels	
Designation	*SUGARPRESS BR 32000	VISCOPREN NTX 25000	SUGARPRESS 46K-CS COMPOUND	VISCOPREN NTX COMPOUND	SUGARPRESS OG WP COMPOUND	SUGARPRESS OG		
Type, aspect and color	HVSG 	NSF H1 HVSG 	Heavy Duty 	white NSF H1 HVSC 	white HVSC 	HVSG 		
Viscosity at 40°C	32000	25000	NA	NA	NA	25000	8000	5000
Viscosity at 100°C	1500	1000	NA	4000	NA	1000	440	240
Load capacity, weld point	800	400	2 x 800	2 x 800	3 x 800	620	620	620
General brief	BIODEGRADABLE translucent gel. For extreme operation conditions. Tested under OECD-301 standard.	FOOD GRADE With NSFH1, Halal & Kosher white water color EP Gel Maximum permanence	BIODEGRADABLE Special compound to promote axis flotation with “shielding effect” against contaminants.	Heavy Duty FOOD GRADE with NSFH1, Halal & Kosher Promotes axle flotation with minimal consumption. “shielding effect”	Waterproof High EP White compound does not float in water. For gear splash gear immersion	PREMIUM EP OPEN GEAR Amber Gel, for open gear	PREMIUM EP GEARBOXES Amber Gel high EP for half- closed or closed	
Perfomance	✓✓✓✓	✓✓✓✓✓	✓✓✓✓✓✓	✓✓✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	
Mechanism to lubricate	Journal brass bearings, pinions, crown wheels, iron bearings; support plain journal bearings or brasses of big pinion-gear for transmission; large pinion-open gears; mill crowns or pinions; large worn gears of crystallizers; chain and sprockets, pinions and lantern gears, support rollers and riding rings of rotational sugar dryers.					Spray or rain with drip tube	Splash lubrication	
Application method	a) Manual way: by brush or manual pneumatic greaser. b) Automatic: centralized system with pneumatic barrel pumps or electric pumps; type of system: double line, single line parallel, single line progressive.							
OG application mode	All products can be applied by pneumatic spraying media. For sugar mill pinions we recommend the airless regulated lube rain with drip tube over upper pinion, it is strongly recommended for high reliability, better covering, low cost by no requirement of compressed air and very low man labor maintenance.							

Notas: HVSG: High Viscosity Synthetic Gel / HVSC: High Viscosity Synthetic Compound / *special viscosity under request / **weld load, four balls "extended test" / table values are only indicative not given as specification.

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