

high performance lubricants in the sugar cane industry

SUGARPRESS | Br 
SUGARPRESS OG

VISCOPREN NTX 

OMNIGEAR ADVANCE 
M & S

VULCANO TACKY OG

**TARMELA &
TARMELA FG** 

KOMPRES S 3&4 FG

MARINE WR



FLENDER




LAAPSA

HIGH PERFORMANCE LUBRICANTS

EVOLUTION TO COMPOUND TECHNOLOGIES

- ✓ going to **ZERO WEAR**
- ✓ **MAXIMUM** journal bearing **NECK SEALING EFFECT.**
- ✓ **CONSUMPTION LOSE** to 1/2 gr/TLD
- ✓ allows operation at **MAXIMUM LOAD** since season day 1.
- ✓ **BIODEGRADABLE** and **FOOD GRADE** options



	JOURNAL BEARINGS				PINIONS		CROWN WHEELS	
	COMPOUND TECHNOLOGY		HIGH VISCOSITY TECHNOLOGY		COMPOUND TECHNOLOGY	HIGH VISCOSITY TECHNOLOGY		
• Technology >	COMPOUND TECHNOLOGY		HIGH VISCOSITY TECHNOLOGY		COMPOUND TECHNOLOGY	HIGH VISCOSITY TECHNOLOGY		
• Designation >	VISCOPREN NTX COMPOUND	SUGARPRESS 46K COMPOUND	SUGARPRESS BR 32000	VISCOPREN NTX 25000	SUGARPRESS OG WP COMPOUND	SUGARPRESS OG 25000	SUGARPRESS OG 5000 8000	
• Type, aspect and color >	White NSF H1 HVSC 	Heavy Duty 	HVSG	NSF H1 HVSC 	White HVSC	HVSG	HVSG	
• Viscosity at 40°C >	NA	NA	32000	25000	NA	25000	5000 8000	
• Viscosity at 100°C >	4000	NA	1500	1000	NA	1000	240 440	
• Load capacity, weld point >	2 x 800	2 x 800	800	400	3 x 800	620	620 620	
• General characterization, general brief >	Heavy Duty FOOD GRADE with NSFH1, Halal & Kosher Promotes axis flotation with minimal consumption. "Shielding effect"	BIODEGRADABLE Special compound to promote axis flotation with "shielding effect" against contaminants.	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.	WATERPROOF High EP White compound does not float in water. For gear splash and gear immersion.	PREMIUM EP OPEN GEARS Amber gel for open gear.	PREMIUM EP GEARBOXES Amber gel highEP for for half-closed or closed	
• Performance >	★★★★★		★★★★★		★★★★★	★★★★★		★★★★★
• 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.				Spray or rain with drip tube		Splash lubrication	
• 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.							
• 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.							

> SUGARPRESS | Br/ [HVSG TECH] PREMIUM HIGH VISCOSITY SYNTHETIC GEL > BIODEGRADABLE



> IMMEDIATE CONSUMPTION REDUCTION > SAVINGS TION BUDGET > HIGH WEAR PROTECTION
> APPLIED BY THE EXISTING AUTOMATIC LUBRICATION EQUIPMENTS > SEALS THE JOURNALS AVOIDING THE ENTRANCE OF CONTAMINANTS > ELIMINATES THE HAZARDOUS ENVIRONMENTAL IMPACT OF ASPHALTIC OILS > ELIMINATES BLACK PRODUCTS IN THE SUGAR CANE INDUSTRY

PRODUCT	DESCRIPTION	COLOR	VISCOSITY (cST)		WORK TEMP. (°C)	4 BALL TEST (Kg)	APPLICATION
			40	100			
SUGARPRESS Br 1000	HVSG Technology -High Viscosity Synthetic Gel- non toxic, biodegradable, easy pumpable, high wear resistant and high adhesivness.	Amber	20000	1000	5 to 150	800	Journal bearings, open gear bearings and pinnions or crown wheels by dripping system.
25000			25000	1200			—
32000			32000	1500			Pinnions or crown wheels by dripping or bath and journal bearings by loss lubrication.
68000			68000	1200			

GOALS

- ✓ **5 TO 10 TIMES CONSUMPTION REDUCTION COMPARED WITH ASPHALTIC OILS**
 - IMMEDIATE ENVIRONMENTAL BENEFICIAL IMPACT
 - IMMEDIATE SAFETY BENEFICIAL IMPACT
 - CLEAN LUBRICATION SINCE THE BEGINING
- ✓ **30 TIMES HIGHER LUBRICATION FILM RESISTANCE MINIMIZE MAINTENANCE COSTS**
 - 20 TIMES HIGHER VISCOSITY AT HIGH TEMPERATURE
 - 5 TIMES HIGHER LOAD CAPACITY (4 BALL TEST)
 - 5 TIMES HIGHER VISCOSITY AT AMBIENT TEMPERATURE ENSURES SEALING EFFECT
- ✓ **EASILY PUMPED BY THE EXISTING AUTOMATIC LUBRICATION EQUIPMENTS FOR OILS OR GREASES: FARVAL, LINCOLN, FAZZANARO AND SIMILARS**
- ✓ **RAPIDLY BIODEGRADABLE, 84% IN 28 DAYS (UNDER OECD 301 B TEST)**
- ✓ **NON TOXIC, AS THE LETAL DOSIS UNDER TOXICITY ORAL TEST IS OVER 5.000 MG**



> VISCOPREN NTX / [SYN] OIL FOR JOURNAL BEARINGS



> ELIMINATES ANY POSSIBILITY OF TOXIC IMPACT > MAXIMIZES SAFETY AND HYGIENE AT WORK > HIGH PROTECTION AGAINST WEAR > EASY AND QUICK APPLICATION WITH THE EXISTING LUBRICATION EQUIPMENT > EFFECTIVE SEAL BETWEEN BEARING-SHAFT

PRODUCT	DESCRIPTION	COLOR	VISCOSITY (cST)	WORK TEMP. (°C)	4 BALL TEST (Kg)	APPLICATION
VISCOPREN NTX	NSF H1 Synthetic food grade lubricant, certified by registration 140557, 140558, 140559	Translucent of gel	25000	-5 to 150	315	Journal bearings at sugar cane Mills

> SUGARPRESS | OG / [HVSG TECH]

SYNTHETIC GEL, HIGH SPEED HELICOIDAL AND LOW SPEED SPUR TYPE

- > EFFECTIVE PROTECTION AGAINST WEAR AND CORROSION
- > STOPS IMMEDIATELY DESTRUCTIVE PROCESS > MAINTAIN LOW OPERATIVE TEMPERATURE
- > OPTIMIZE BATH LUBRICATION > EXTENDED LIFE FOR SEVERAL SEASONS
- > EXCELLENT PROTECTION AGAINST SCUFFING AND PITTING

PRODUCT	DESCRIPTION	VISCOSITY (cst)	WORK TEMP. (°C)	4 BALL TEST (Kg)	APPLICATION
SUGARPRESS OG 5000	Extreme pressure lubricant, high wear resistance. Meets AGMA requirements for open gear EP oils.	4600	-10 to 90	620	For intermediate or helicoidal open gears
SUGARPRESS OG 8000		8000	-5 to 100	620	For final or spur open gear at low speeds (4 to 10 rpm)

> OMNIGEAR ADVANCE / [PD TECH]

HIGH PERFORMANCE GEAR OILS WITH PLASTIC DEFORMATION TECHNOLOGY



- > MEETS FZG STANDARDS / MEETS FLENDER MICROPITTING TEST / FVA54/IV-TYPE I
- > STOPS IMMEDIATELY DESTRUCTIVE PITTING PROCESS
- > FRICTION COEFFICIENT LESS THAN 0,05 UNDER SRV TEST > EXTENDED DRAIN INTERVAL
- > HIGH EXTREME LOAD PROTECTION > HIGH CORROSION PROTECTION > QUICK DEMULSIFICATION
- > COMPATIBLE WITH PAINTS AND SEAL MATERIALS

PRODUCT	DESCRIPTION	VISCOSITY (cst)	WORK TEMP. (°C)	4 BALL TEST (Kg)	APPLICATION
OMNIGEAR ADVANCE S	3 rd Generation Gear Box Mineral Oil for long term lubrication, up to 40.000 hours.	32 to 3200	-30 to 110	NA	Mill drive gear boxes, Conveyor Belt gear boxes submitted at high loads.
	3 rd Generation Gear Box Synthetic Oil for long term lubrication,				

> VULCANO 9800 / ADHESIVE GREASE FOR PINNIONS AND OPEN GEARS

- > APPLIED BY SPRAY > VERY HIGH FILM RESISTANT WHICH GIVES AN OUTSTANDING WEAR PROTECTION > RESIST WATER WASH OUT

PRODUCT	DESCRIPTION	VISCOSITY (cst)	WORK TEMP. (°C)	4 BALL TEST (Kg)	APPLICATION
VULCANO 9800	Sprayable Special paste type grease, overloaded with special solids to build a tenacious film	1500	5 to 150	800	Pinnions and Open Gears

> TARMELA / [OBCS TECH]

OVERBASED CALCIUM SULFONATE COMPLEX GREASES, DESIGNED FOR LUBRICATION POINTS SUBMITTED TO EXTREME CONDITIONS: HIGH LOAD, HIGH TEMPERATURE, HIGH WATER/FLUID ATTACK

PRODUCTS	DESCRIPTION	CONSISTENCY THICKENER NLGI GRADE	WORK TEMP. (°C)	DROP POINT (°C)	4 BALLS TEST	SPEED FACTOR	APPLICATION
TARMELA 9600	OBCS grease, highly adhesive, resists water, dust and chemicals, excellent mechanical stability, with high load capacity, suitable for high temperatures.	1/ 1,5 /2	-20 to 200	> 300	620	300.000	Bearings of heaters exhaustors fans, high temperature, defibrators, high load and bearings receiving water and juice attack
TARMELA 9500	OBCS grease, for high loads, high temperature and high speeds	1/2	-20 to 200	> 300	620	500.000	Bearings of electric motors
TARMELA 9000	NSF H1 Non Toxic OBCS grease for high load, temperature and water attack use	00/2	-20 to 200	>300	500	300.000	Bearings of centrifuges, mixers, dryers and chains
TARMELA 8000	Lithium grease, with PD extreme pressure technology and incorporates high viscosity polymer complex which improves adhesiveness and water	1	-20 to 140	180	400	150.000	Geared couplings, Falk Type



> KOMPRES / LONGLIFE SYNTHETIC OIL FOR ROTARY SCREW AIR COMPRESSORS

PRODUCT	DESCRIPTION	VISCOSITY (cst)	WORK TEMP. (°C)	4 BALL TEST (Kg)	APPLICATION
KOMPRES S 3 FG	Food Grade synthetic compressor oil, 8.000 hours Lifetime at 90° C air discharge temperature	32 to 68	-30 to 105	NA	Rotary Screw Air Compressors
KOMPRES S 4 FG	Synthetic Compressor oil, more than 8.000 hours lifetime at 90° C air discharge temperature	32 to 68	-40 to 110	NA	

> MARINE | WR / WIRE ROPE LUBRICANT

> HIGH PENETRABILITY > HIGH CORROSION ATTACK RESISTANCE > HIGH ADHERENTE
> EXTENDS 4 TIMES LIFE TIMES OF WIRE ROPES

PRODUCT	DESCRIPTION	VISCOSITY (cst)	WORK TEMP. (°C)	4 BALL TEST (Kg)	APPLICATION
MARINE WR	High viscosity synthetic fluid diluted to facilitate the penetration, high corrosion protection	460	-30 to 150	NA	All type of wire ropes

Best Solutions in Industrial Lubrication

We are a company with a global presence of Argentine origin where we develop and produce lubricants with an emphasis on the technology of the highest quality, efficiency and performance for the industry.

Located in the Tigre Industrial Park, just 35 km from the city of Buenos Aires and with 13,000 m² for research and development, production, storage and logistics, **LAAPSA** is today **the largest national producer of speciality lubricants and an international benchmark in new technologies for industrial lubrication**: local supplier, since 1990, of special lubricants for gear transmissions with **Advanced Third Generation surface smoothing technology**, providing a differential product for the control of wear in gearboxes and bearings; **a world leader in the development of High Viscosity / HVSG Synthetic Gels** focused on the lubrication of open gears and sliding bearings. The **largest Latin American producer of Overbased Calcium Sulfonate Complex Greases**, products that technologically revolutionized the lubricating grease market and the **first Argentine producer to obtain international NSF H1 certification and the largest local producer of approved lubricants for the pharmaceutical, food and beverage industries.**

› **LAAPSA Commitment/** in a framework of growing demands for the industry, **our commitment is to provide effective responses and specific solutions** for different degrees of complexity in order **to transform the needs of our clients into resources that improve production processes.**



› **LAAPSA Quality/ /** in addition to certifications for our products, **we achieved ISO 9001/2015 certification guaranteeing customer focus, teamwork, improvement continuous and beneficial relationships for customers and suppliers.** We assume the obligation to develop products and deliver services prioritizing the needs and satisfaction of our customers.



› **Teamwork/** we deeply believe in teamwork. **Our technical consultants and highly trained laboratory workers develop, suggest and promote better products and best lubrication practices** by bringing the most advanced technologies to our customers that allow optimizing yields and costs.



› **LAAPSA Global Presence/** with production plants and subsidiaries in **Argentina, Brazil, the Caribbean, Mexico and Uruguay; distributors and commercial relations in more than 40 countries** and committed, since 1988, to offer its clients and partners cutting-edge solutions technology in lubrication for the most varied industrial sectors.



In addition of our own product line, nowadays **LAAPSA** is part of biggest **“private label and OEM First fill”** specialty lubricants supplier in LATAM. Do not hesitate to contact us if this proposal is within your needs.

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HIGH PERFORMANCE LUBRICANTS

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