



STOP MESSING AROUND



JOIN THE *Revolution!*

THE FUTURE OF THE GREASING INDUSTRY

Sick of open-ended cartridges that leak, get air-gaps, and waste grease? Lube-Shuttle® Grease Guns and Grease Cartridges use a new and unique thread-in cartridge that eliminates all the headaches of greasing! Simply unscrew the old cartridge, take the cap off the new cartridge, push up a small amount of grease, thread in the new cartridge and start greasing! It is that simple!!

RETHINK GREASING!

- No need to take apart the grease gun
- Type and quantity of grease can be seen at a glance
- No wasted grease from air gaps or filling complications
- Reusable and recyclable cartridges
- No air release necessary!
- **NO MESS**

GETTING STARTED IS AS EASY AS 1, 2, 3!

1. UNSCREW THE CAP
2. PUSH UP ON THE BOTTOM FOLLOWER PLATE UNTIL GREASE IS JUST COMING OUT OF THE CARTRIDGE
3. THREAD THE GREASE CARTRIDGE INTO THE GUN



IT'S ALL ABOUT THE CARTRIDGE



LUBE-SHUTTLE® CARTRIDGES ARE MADE OF HIGH QUALITY VIRGIN PLASTIC, MAKING THEM WEATHERPROOF.

No more crushed tubes of grease, damaged tube ends, or tubes destroyed by the rain.



Carry an extra Lube-Shuttle® cartridge in your pocket and change the tube as you grease, you just need to screw in the next cartridge and go.

99%

LUBE-SHUTTLE® USES 99% OF THE GREASE IN THE TUBE.

10x

IT TAKES UP TO 10 TIMES LONGER TO CHANGE A STANDARD TUBE VERSUS A LUBE-SHUTTLE® CARTRIDGE.

80%

OVER 80% OF GREASING COST IS LABOR. HOW MUCH CAN YOU SAVE WHEN YOU ARE NO LONGER FIGHTING WITH AIR GAPS OR DAMAGED TUBES?

0

ZERO MESS. NO LEAKS, NO AIR GAPS, NO WASTE! LUBE-SHUTTLE® CARTRIDGES ARE ALSO REUSABLE AND RECYCLABLE.

Improve greasing efficiency, eliminate wasted grease, and stop messing around. When employees encounter air gaps, leaking grease guns, and damaged grease tubes, they are more likely not to grease. Lube-Shuttle® eliminates these problems and therefore helps ensure your equipment is getting greased properly, which extends equipment lifespan.

STOP MESSING AROUND



20 INCH NYLON HIGH PRESSURE
HOSE OFFERS EXTRA REACH WHILE
REMAINING FLEXIBLE AND DURABLE

LEVER HANDLE ALLOWS
UP TO 11,600 PSI

SAFELOCK* LOCKS ONTO ZERK
FITTINGS, ELIMINATING LEAKING
GREASE AND THE NEED TO HOLD
ONTO THE COUPLER. UNLOCKS
UNDER HIGH PRESSURE!

LUBE-SHUTTLE® CARTRIDGES
THREAD IN AND GO! NO
MESS, NO AIR GAPS, NO
HEADACHES.

*COMES WITH STANDARD 4 JAW COUPLER,
SAFELOCK NOT INCLUDED

IT WORKS

"BEST GREASE GUN I EVER USED. EASY TO CHANGE THE GREASE CARTRIDGES AND NO MESS TO CLEAN UP AFTER. THANKS!"

-PIERCE W, AVIATION TECHNICIAN, WI

"THE LUBE-SHUTTLE® SYSTEM IS SO EASY TO USE AND MESS-FREE THAT I FIND MYSELF GREASING MORE THAN I EVER DID WITH MY OLD GREASE GUN, AND THAT'S SAVING US A LOT ON REPAIRS"

-DREW A, REPAIR/TECHNICIAN, WY

"We have 500+ machines and vehicles in our fleet and demand that drivers and operators keep their equipment greased. We keep a grease gun in most machines and along with that usually comes a mess of leaking grease that makes the operators station a hazard. I saw Lube-Shuttle® on YouTube and bought some, thinking it had to be too good to be true. It didn't disappoint. All of our old grease guns are now leaking grease in the dumpster."

-Dominic O, Corp. Superintendent, TX

"WORTH THE EXTRA MONEY - OUTSTANDING AND VERY WELL MADE. I WAS SO IMPRESSED WITH THE PISTOL GRIP GREASE GUN AND THE LEVER MODEL, AS WELL. LOOKING INTO AIR OPERATED MODEL NOW, THANK YOU"

-BOB J, FARM/LAND OWNER, IN

"BOUGHT A LUBE-SHUTTLE® GREASE GUN AND LIKED IT SO MUCH WE BOUGHT THEM FOR OUR BUSINESS. AWESOME PRODUCT, SAVES US TIME AND MONEY!"

-TIM B, BUSINESS OWNER, MI

"Grew up on a farm, worked construction, and now own a construction company. I have always hated the wasted time and mess associated with greasing and because of it I never greased enough. Now that I own the business I need people greasing and Lube-Shuttle® has solved that issue. The guys do not mind greasing with Lube-Shuttle® and grease more because of it, which keeps our machines out of the shop and has greatly reduced our cost on pins and bushings."

-Dan G, Business Owner, NC

LUBE-SHUTTLE® GREASE GUNS

LEVER HANDLE GREASE GUN - \$64.79 + \$15.00 Shipping



Made of the highest quality steel tubes with corrosion resistant zinc plating. The comfortable lever handle gives the user the ability to push grease into tight fitting pins where a pistol style grease gun cannot provide a high enough pressure. MAX PRESSURE 11,600 PSI

PISTOL GRIP GREASE GUN - \$64.63 + \$15.00 Shipping



One hand grease gun with zinc plated steel barrel, ergonomically designed pistol grip. This is the lightest and cleanest greasing system available, and yet its durability is sure to meet your highest standards! WORKING PRESSURE 4,350 PSI

ELECTRIC GREASE GUN - 2 Batteries - \$486.25 + \$15.00 Shipping - 1 Battery - \$432.60 + \$15.00 Shipping



This is an Electric 18V Battery Operated Grease Gun. The new cartridge style allows for clean and efficient greasing and the lithium-ion battery does all the hard work, making greasing an easy and clean task. WORKING PRESSURE 8,500 PSI

LubeJET-ECO GREASE GUN - \$365.99 + \$15.00 Shipping



This air operated grease spray unit enables the spraying of grease directly from the Lube-Shuttle® system-cartridge without the need for propellants or chemical additives, such as solvents. Spraying grease onto chains, cables, slideways and telescopic booms offers enormous potential cost savings.

GREASE GUN ACCESSORIES

SafeLOCK LOCKING COUPLER - \$34.00 + \$7.00 Shipping

By locking onto the zerk fitting, the safeLOCK coupler keeps the mess to a minimum and frees up one hand. It holds on tight to zerks that are slightly worn or damaged and ensures that grease is going into the fitting, which saves grease, money and repair costs.



UNLOCKS UNDER PRESSURE OVER 8,000 PSI
HARDENED 4 JAW LOCKING COUPLER
HIGH-PERFORMANCE VITON GASKET
INTEGRATED REAR SWIVEL
NO SPURT/MESS WHEN UNCOUPLING

4 JAW STANDARD COUPLER M10X1- \$10.00 + \$7.00 Shipping



Replacement for use with Lube-Shuttle® high pressure hydraulic hoses or nylon flex-hoses.

CARTRIDGE ADAPTER - Fuchs/Kajo Adapter - \$14.48 + \$7.00 Shipping - Lincoln/SKF Adapter - \$14.48 + \$7.00 Shipping



Easily adapt Lube-Shuttle® Cartridges to different size threads for pneumatic greasing systems, auto greasers, and automated greasers on hydraulic hammers.

40 INCH HIGH PRESSURE HOSE - \$38.00 + \$15.00 Shipping

High pressure Hydraulic Hose for Lube-Shuttle® grease guns. Includes a 4 Jaw Standard coupler. 23,900 PSI

20 INCH HIGH PRESSURE HOSE - \$16.50 + \$15.00 Shipping

High pressure Hydraulic Hose for Lube-Shuttle® grease guns. Includes a 4 Jaw Standard coupler. 23,900 PSI

20 INCH FLEXIBLE NYLON HOSE - \$16.50 + \$15.00 Shipping

Nylon Flex Hose for Lube-Shuttle® grease guns. Recommended for Pistol Grip Grease Gun. Includes a 4 Jaw Standard coupler. 14,450 PSI



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LUBE-SHUTTLE® IS A REGISTERED TRADEMARK OF MATO

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PARAGON 3000

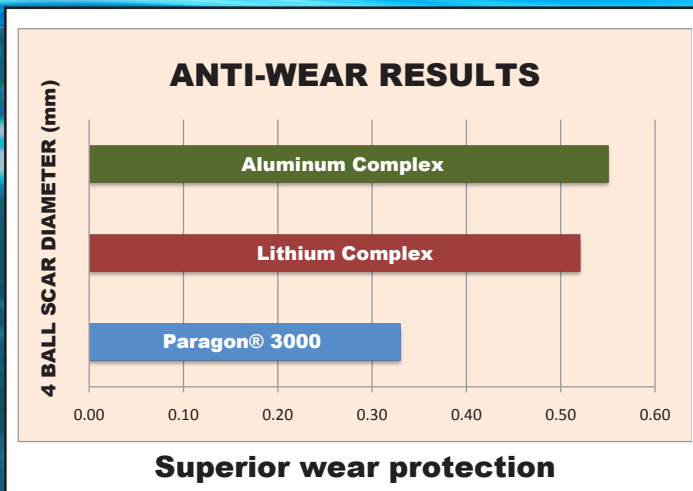
Tomorrow's
Grease

Today!



In today's world of fast food, fast cars, and fast technology, demands are greater than ever for high performance and long lasting products in every industry. The Lubricants industry is no exception. As a leader in the Specialty Lubricants Industry, Texas Refinery Corp developed a one of a kind grease that has far surpassed other greases in the industry.

Named the "1999 Product of the Year" by Plant Engineering, TRC's Paragon 3000 was introduced as the grease for the new millennium. It has proven to be the ultimate in equipment protection and cost efficiency - - exactly what is needed in this generation. There truly is no other grease like it in quality or performance. So unique, Paragon 3000 is only available from Texas Refinery Corp.



PARAGON® 3000 Offers Outstanding Extreme Pressure Protection

PARAGON® 3000 offers tremendous anti-wear protection. PARAGON® 3000 passes a full 100 lb. Timken OK test. Equipment subjected to heavy load and shock loading function at peak efficiency. Unlike many High Timken Value greases, this product offers superior protection throughout the entire range of load. Often special greases manufactured to offer protection under incredibly high loads do not protect from wear when loads are more normal. PARAGON® 3000 offers exceptional anti-wear protection - - regardless of the

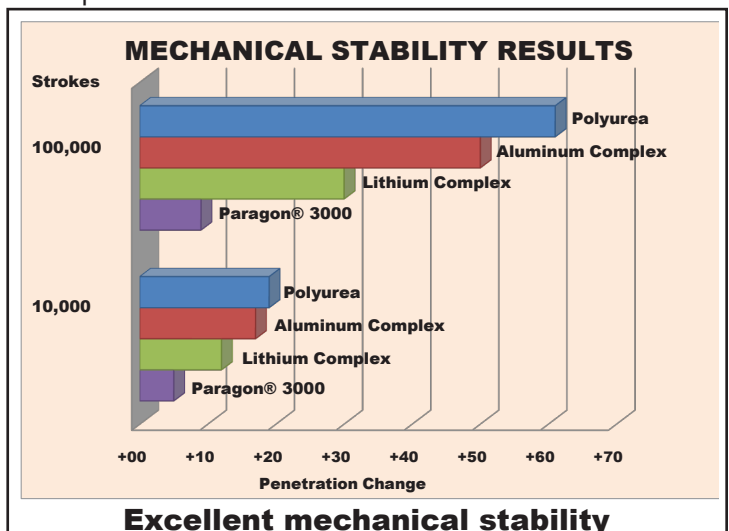
load - - including a 100 lb. Timken OK load.

PARAGON® 3000 Is A Very Stable Grease With A Long Working Life

PARAGON® 3000 is an extremely stable grease. This is an indication of its long life in actual working conditions. Many greases change significantly in consistency when in actual operation, often thinning considerably or thickening. PARAGON® 3000 shows very little change in its worked penetration from the 60 round-trip strokes compared to the 10,000 round-trip strokes in a standard grease worker. Even more significant, PARAGON® 3000 changes little even in the 100,000 double stroke test. After 100,000 strokes PARAGON® 3000 changes from a penetration of 280 to 274 in its consistency. Most greases in the 100,000 double stroke test change considerably in their consistency. Some of them become too soft, allowing leakage away from the area where the grease is needed. Other greases become too hard, indicating they may not feed adequately into areas to be lubricated. PARAGON® 3000 is extraordinarily constant and stable, thus providing the ultimate in protection.

PARAGON® 3000 Is Highly Water Resistant

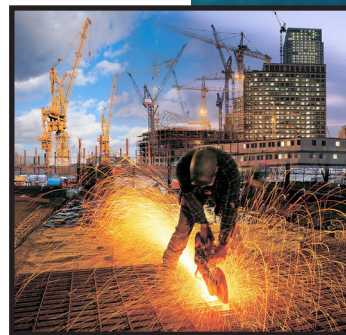
Texas Refinery Corp's PARAGON® 3000 is resistant to moisture. This grease can be used in areas where ordinary greases would simply be washed away. PARAGON® 3000 resists being washed off by water and, in fact, displaces water on metal surfaces, keeping those surfaces free from rusting, pitting and corrosion. Extreme pressure protection (100 lb. Timken OK Load), is retained even in the presence of 20% water. This is remarkable for any lubricant - - but not for PARAGON®



3000. This extreme water resistance provides the answer to many current industrial equipment problems. One example where PARAGON® 3000 could be used is in paper mills where heat, water and extreme conditions are present. The more conditions are extreme, the greater PARAGON® 3000 performs.

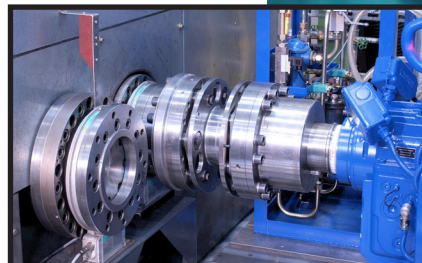
PARAGON® 3000 Handles Impact And Prevents Wear

PARAGON® 3000 contains specially developed high impact resistant supplements. These supplements enable PARAGON® 3000 to resist severe and continuous impact. This characteristic enables this grease to prevent wear, ensure longer service life and provide a new dimension in down-time protection. PARAGON® 3000 resists squeezing out and thinning under severe loads, thereby preventing metal to metal contact. The adhesive and cohesive characteristics make this grease suited for many demanding jobs. The adhesive characteristics also help develop a dust shield to prevent contaminants from getting into bearings.



PARAGON® 3000 Protects Against Hydrogen Sulfide

TRC now incorporates an H₂S (Hydrogen Sulfide) Scavenger in PARAGON® 3000 for additional protection in applications where this corrosive gas is found. Hydrogen sulfide is often associated with the fracking and drilling industry, mining operations, sewer gas, swamp gas, water treatment facilities, animal waste, garbage dumps, paper and textile mills, facilities that handle used/waste oil and many other petroleum and industrial areas. Customers working in these tough environments can be assured they have the ultimate protection with Paragon 3000!



PARAGON® 3000 Is A Unique Grease For Many Different Applications

PARAGON® 3000 is the only grease made using a unique combination of thickeners and additives.

PARAGON® 3000 is ideal for a wide range of applications covering heat, moisture, load, impact and stability questions. It is a true multi-purpose product. Areas of applications would include:

Steel Mills	Chains	Coal Stokers
Paper Mills	Bushings	Glass Lehrs
Hot Corrugator	5th Wheels	Logging
Oven Conveyors	Glass Plants	Automotive
Mining	Pellet Mills	Foundries
Farming	Construction	Thrust Bearings
Trucking	Buses	Electric Motors
Water Treatment Plants	Cement Plants	Slides
Asphalt Plants	Machine Tools	U-Joints
Kilns	Sleeves	Exhaust Fans
Recycling Plants	Needle Roller Bearings	Anti-Friction Bearings
Plastic Extruders	Wheel Bearings	Roller Bearings
Ball Bearings	Chassis Points	Marine Applications



PARAGON® 3000 Has A Wide Operating Temperature Range

PARAGON® 3000 offers extreme temperature protection. Most greases have dropping points between 290 and 390 degrees F. PARAGON® 3000 has a dropping point of 630 degrees F. PARAGON® 3000 offers protection at high temperatures when others can not. PARAGON® 3000 has an extra margin of safety for those hot spots. This grease will not melt below 630 degrees F.

PARAGON® 3000 is a special high temperature grease which does not cake-up in lines or bearings. Naturally, at temperatures above 450 degrees F. to 570 degrees F. you must lubricate more frequently.



SPECIFICATIONS

PARAGON 3000

Product Code	108498	108499	108500
NSF Registration Number		159171	128887
Penetration: Worked 60 Stroke Control Range (ASTM D217-52T)	355-385	310-340	265-295
NLGI Consistency	No. 0 Grade	No. 1 Grade	No. 2 Grade
Color	Marine Blue	Marine Blue	Marine Blue
Texture	Stringy	Stringy	Stringy
Dropping Point, °F (ASTM D-2265)	630°F Typical	630°F Typical	630°F Typical
Maximum Recommended Operating Temperature	570°F	570°F	570°F
Combination (ASTM D128-57)			
% Soap	5-6 Maximum	6-8 Maximum	10.0 Maximum
% Filler	Trace	Trace	Trace
% Water	Trace	Trace	Trace
Stability by Penetration (typical) . . .			
after 60 worked strokes (ASTM D217-52T)		325	282
Stability by Penetration (typical) . . .			
after 10,000 worked strokes (ASTM D217-52T)		320	280
Stability by Penetration (typical) . . .			
after 100,000 Stroke Working (ASTM D217-52T)		316	274
Extreme Pressure by Timken OK Load Passing At (ASTM D-2509)	80 pounds Minimum	100 pounds Minimum	100 pounds Minimum
Unit Load, PSI	29,000	29,000	29,000
4 Ball EP Test (ASTM D-2596)	315 kg Weld Point	315 kg Weld Point	315 kg Weld Point
4 Ball Wear Test (ASTM D-2266)	.33 mm Scar Diameter	.33 mm Scar Diameter	.33 mm Scar Diameter
Automotive Wheel Bearing	Pass	Pass	Pass
by Leakage Tendencies (ASTM D-1263-52T)	No Leakage, No Varnish	No Leakage, No Varnish	No Leakage, No Varnish
Oil Separation (ASTM D-1742)		0.00%	0.00%
Consistency at Various Temperature by Unworked Penetration (ASTM D217-52T) Control Range			
@ 0°F.	285-310	240-265	190-210
@ 77°F.	355-385	310-340	265-295
@ 100°F.	390-410	335-355	280-300
Relative Pumpability @ 0°F., Grams	12.0	8.4	2.7
Oxidation of Grease by Bomb Test Drop (ASTM D942)	Less than 1 PSI Pressure drop for 500 hours	Less than 1 PSI pressure drop for 500 hours	Less than 1 PSI pressure drop for 500 hours
Rust Corrosion Test	Pass	Pass	Pass
Pumpability in Hand Operated Grease Gun	Slow at -20°F	Slow at -15°F	Slow at -5°F
Water Washout @79°C (ASTM D-1264)	0.65%	0.65%	0.65%

Handling Information: For safe handling of the product, read the Safety Data Sheet (SDS).

PARAGON 3000® is a registered trademark of Texas Refinery Corp

NSF Registration No. 128887 Category Code: H2 • NSF Registration No. 159171 Category Code: H2

TEXAS REFINERY CORP

TEXAS • ONTARIO • SASKATCHEWAN

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