



# LUBRICATION FOR THE SUGAR INDUSTRY

Extreme Lubrication for Extreme Applications



# XPL+ TECHNOLOGY

50 TIMES MORE POWERFUL THAN ORDINARY LUBRICANTS

Sugar production is one of the most demanding applications for lubrication.

Equipment has to operate reliably even under the toughest conditions - constant heavy loads, vibration, water and dirt contamination. Heat and friction all cause lubricants to fail prematurely.

When lubricants fail, equipment breaks down, and maintenance costs go up.

## BOTTOM LINE ADVANTAGES:

- Dramatically reduces heat and friction
- Greatly extends equipment life
- Repairs internal wear
- Lowers energy consumption
- Reduces costly down-time
- Optimizes equipment efficiency
- Reduces maintenance costs
- Extends lubrication intervals substantially

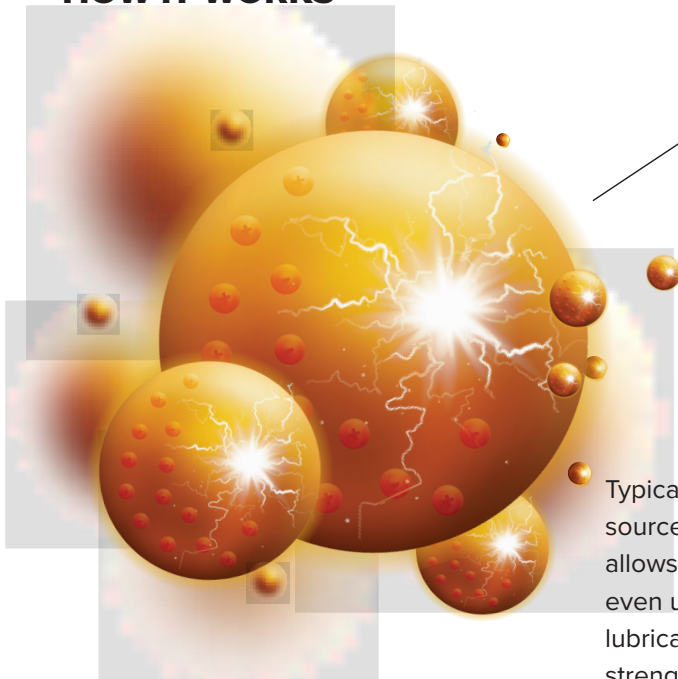


## ProOne XPL+ Technology Designed to Address These Challenges

Developed and perfected over decades, XPL+® Technology takes lubrication to the next level.

XPL+ is a proprietary technology working that is plant-based, stable, non-corrosive, non-reportable and environmentally friendly!

## HOW IT WORKS



Positively charged molecular structure is attracted to metal.



Negatively Charged

Typical lubricants tend to migrate away from heat sources but XPL+ has a strong ionic (+) charge which allows it to bond to metal and other lubricated surfaces even under extreme heat and pressure, giving the lubricants formulated with XPL+ unprecedented film strength and extreme pressure protection.

Metal





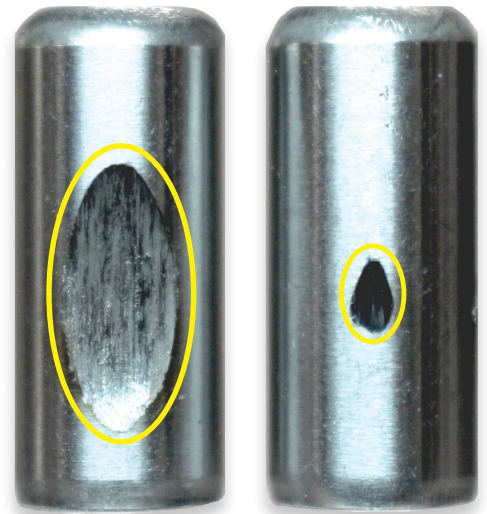
# UNSURPASSED FILM STRENGTH

## 50 TIMES MORE EXTREME PRESSURE PERFORMANCE!

In a bench cross-axis friction machine test, bearings are subjected to pressure from a spinning race, the same moving parts in a gearbox application.

Using regular motor oil without XPL+, the bearing sustains severe damage at only 4,000psi of pressure.

With ProOne's XPL+ technology, there is minimal damage at 200,000psi ...over 50 times the pressure! This means less wear and improved bearing and gearbox performance.



Without XPL+  
@ 4,000 PSI

With XPL+  
@ 200,000 PSI

"ProOne has created the ultimate game changer in lubrication technology"

- Major Operator



## WHY CHOOSE PRO-ONE?

### PROVEN:

ProOne's problem solving technology has saved millions in the Industrial, Drilling, Mining, Trucking, Manufacturing and Marine Industries.

### LABORATORY TESTED:

ProOne has invested millions of dollars to prove its effectiveness and quality. ASTM testing also shows it is safe for use in expensive machinery and systems.

### SAFE FOR HUMAN CONTACT:

ProOne products are formulated to be as safe for human contact as possible with minimal inhalation, skin contact or ingestion problems for operators.

### H2 REGISTRATION:

ProOne's EP-1 & EP-2 greases are H2 Food Grade Registered by NSF International. They can be used on equipment and machine parts where there's no possibility of food contact.

### DOES NOT CONTAIN HARMFUL INGREDIENTS:

ProOne does not contain any solids, harmful solvents, or chlorine.



# EP-2

## INDUSTRIAL GREASE

### EXTREME PRESSURE PERFORMANCE FROM -40°C TO 323°C!

#### THE MOST POWERFUL GREASE ON THE MARKET

This **HEAVY DUTY, NGLI 2, ASTM Tested** grease delivers outstanding extreme pressure protection to help maximize equipment life and performance, and help save energy, even under the harshest conditions.

And with no harmful additives, this premium grease is environmentally friendly!



## TYPICAL PROPERTIES

NGLI Grade	2
Color	Blue
Thickener	Calcium Complex
Operating temperature range	-40°C to 323°C
Kinematic viscosity of base oils @40°C (ASTM 445)	216 cSt (1000 SUS)
Penetration @ 25°C (77°F) (ASTM D-217), mm/10	
Worked 60 strokes	270-295
Mechanical Stability (ASTM D-217) % change from P60	
P100,000 strokes	2.5%
P10,000 strokes with 50% H2O	<6.0%
Dropping Point (ASTM D-2265) °F (°C)	+572 (+300)
Oil Separation (ASTM D-1742) –24 hours @ 25°C (77°F)	0.17
Shell Roll Stability (ASTM D-1831)	<4.0%
Oxidation Stability (ASTM D-942) psi drop/500 hours	6.0lbs
Oxidation Bearing Life (ASTM D-3527)	200hours
4-Ball Wear Test (ASTM D-2266)mm scar, 40kg, 1200 RPM, 75°F, 1H	0.42mm
4-Ball EP test (ASTM D-2596) LWI, kg	>75
Weld Load, kgf	600
Timken OK Load (ASTM D-2509) lbs/kg	60/27
Rust test (ASTM D-1743)	Pass
Copper Corrosion test (ASTM D-130)	Pass/1b
Salt Fog Spray (ASTM B-117) hours to failure	>1000 hours
Water Washout (ASTM D-1264) @ 80°C, % loss	<1.42%
Wheel bearing leakage grams (ASTM D-1263)	
Modified @ 163°C (325°F)	0.4
Base Oil Characteristics	
Viscosity SUS @ 100°F	1100
Viscosity SUS @ 210°F	85
Pour Point, °F	+5
V.I. Min	95
NSF	H2

## ADVANTAGES:

- Extreme pressure protection
- Extreme temperature range
- Heavy load carrying capability
- Shear stability
- Oxidation resistant
- Corrosion resistant
- Water resistant
- Reduces noise
- Reduces downtime
- Reduces power consumption
- Cling capability

#### APPROVED BY FORD - TOX# 185984

ProOne#	Size	Case Pack
46014	14 oz./ 397g Cartridge	12
46035	35 lb./ 15.9 kg Pail	1
46120	120 lb./ 54.4 kg Keg	1
46400	400 lb./ 181.4 kg Drum	1





# EP-1

## INDUSTRIAL SYNTHETIC GREASE

EXTREME PRESSURE PERFORMANCE  
FROM **-51°C TO 343°C!**

### THE MOST POWERFUL GREASE ON THE MARKET

**HEAVY DUTY** full synthetic **NLGI 1** grade industrial grease is **ASTM TESTED** and designed for extreme temperature conditions or where low and high speed bearings share the same lubricant.

Delivers increased parts life, reduced downtime and outstanding protection in the harshest EP, temperature or corrosive environments.



## TYPICAL PROPERTIES

NLGI Grade	1
Color	Tan
Thickener	Calcium Complex
Operating temperature range	-51°C to 343°C
Kinematic viscosity of base oils @40°C (ASTM 445)	68 cSt (220 SUS)
Penetration @ 25°C (77°F) (ASTM D-217), mm/10	
Worked 60 strokes	310-340
Mechanical Stability (ASTM D-217) % change from P60	
P100,000 strokes	2.3%
P10,000 strokes with 50% H2O	<2.0%
Dropping Point (ASTM D-2265) °F (°C)	+554 (290°C)
Shell Roll Stability (ASTM D-1831)	<4.0%
Oxidation Stability (ASTM D-942)	psi drop/500 hours 6.0 lbs
Oxidation Bearing Life (ASTM D-3527)	200 hours
4-Ball Wear Test (ASTM D-2266)	
mm scar, 40kg, 1200 RPM, 75oF, 1hr	0.42mm
4-Ball EP test (ASTM D-2596)	
LWI, kg	>75
Weld Load, kgf	500
Timken OK Load (ASTM D-2509) lbs/kg	60/27
Rust test (ASTM D 1743)	Pass
Copper Corrosion test (ASTM D-130)	Pass/lb
Salt Fog Spray (ASTM B-117) hours to failure	1000 hours
Water Washout (ASTM D-1264) @ 80°C, % loss	<2.2%
Base Oil Characteristics	
Viscosity SUS @ 100°F	220
Viscosity SUS @ 210°F	62.4
V.I. Min	136

## ADVANTAGES:

- Pumpable
- Operates from -51°C to 343°C
- Extreme pressure protection
- Heavy load carrying ability
- Excellent shear stability
- Displaces water & moisture
- Highly resistant to water wash
- Excellent corrosion resistance
- Reduces downtime
- Reduces power consumption
- Cling capability

### APPROVED BY FORD - TOX# 186019

ProOne#	Size	Case Pack
47014	14 oz./397g Cartridge	12
47035	35 lb./15.9 kg Pail	1
47120	120 lb./54.4 kg Keg	1
47400	400 lb./181.4kg Drum	1



DOES NOT CONTAINS SOLIDS OR HARMFUL SOLVENTS LIKE CHLORINE

## BOTTOM LINE BENEFITS:

- High film strength
- Heavy load carrying capability
- High RPM use
- Dramatically reduces friction, heat & wear
- Thermal stability over wide temperature range
- Provides oxidation stability
- Rust & corrosion inhibitor
- Compatible with seals and gaskets
- Eliminates gear housing chatter

## IDEAL FOR EQUIPMENT:

- Manual transmissions
- Industrial gear boxes
- Differentials
- Limited slip differentials
- Pumps

## DIRECTIONS FOR USAGE:

- Follow manufacturers recommendations

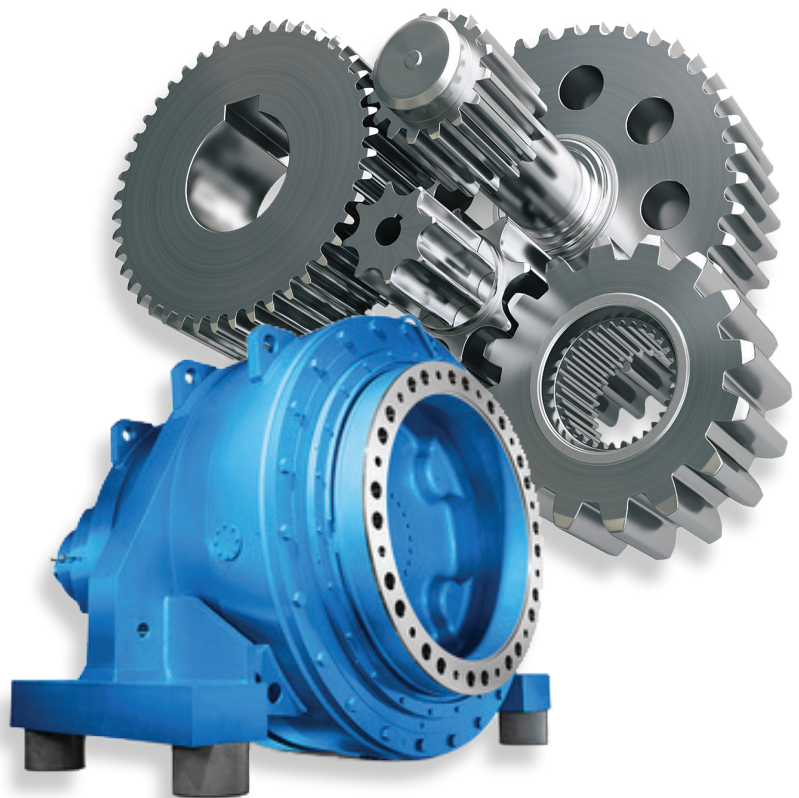
# SUPER DUTY GEAR OIL

## SUPERIOR 75W-90 GEAR OIL WITH XPL+ TECHNOLOGY

This **high performance super duty formula** is designed to provide superior protection for gear-boxes, ring & pinion applications, and heavy-duty machinery.

Superior anti-wear properties provide gears, bearings, and seals protection from wear, shock loading, and high temperatures.

**Formulated with XPL+ Technology** which offers **50 times more film strength protection** than other gear oils can't provide, allowing your equipment to last longer without sacrificing performance.



ProOne#	Size	Case Pack
27005	5 gallon/18.9L Pail	1
27055	55 gallon/208L Drum	1
27275	275 gallon/ 1040L Tote	1





# INDUSTRIAL OIL CONCENTRATE

## HIGH-PERFORMANCE GEAR & BEARING OIL FOR INDUSTRIAL APPLICATIONS

Using our proprietary **XPL+® Technology**, this extreme pressure formulation dramatically reduces friction, heat, and wear while remaining thermally stable.

It adds superior performance to any gear oil application resulting in increased production efficiency and component life extension.



**DOES NOT CONTAIN SOLIDS OR HARMFUL  
SOLVENTS LIKE CHLORINE**

## BOTTOM LINE BENEFITS:

- High film strength
- Heavy load carrying capability
- Dramatically reduces friction, heat & wear
- Thermal stability over wide temperature range
- Provides oxidation stability
- Rust & corrosion inhibitor
- Built-in seal conditioners
- Compatible with seals and gaskets
- Eliminates gear housing chatter



## APPLICATIONS:

- Gear-boxes
- Differentials
- Compressors
- Screw type compressors
- Generators
- Ball & roller bearings
- Pumps & Power Transmissions
- Heavy chains & sprockets

## DIRECTIONS FOR USAGE:

- Use at 15% by total volume.  
(For 75w-90 and lighter weight gear oils)

### APPROVED BY FORD - TOX# 186139

ProOne#	Size	Case Pack
12001	1 gallon/3.785L	4
12005	5 gallon/18.9L Pail	1
12055	55 gallon/208L Drum	1

# APPLICATIONS



MACHINE	COMPONENT	PRODUCT	BENEFITS
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Sugar Crushing Mill

Journal Mill Bearing

**EP-2 Industrial Grease  
Food Grade H2**

- 200,000+PSI Film Strength
- Long-Term performance with high stress loads.
- High resistance to caustic chemical environments
- Broad Temperature Range -40°C to 323°C.
- Greatly reduces downtime
- Provides seal conditioning

MACHINE	COMPONENT	PRODUCT	BENEFITS
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Cane Carrier  
Main Bagasse Carrier

Chain Links

**EP-2 Industrial Grease  
Food Grade H2**

- Excellent heavy load carrying capability at minimum RPM speeds with seal conditioning between links
- Long term boundary lubrication layer
- Withstands extreme high temperatures
- Excellent wear protection under highest dynamic load conditions
- Formulated to cling and bond to surface under hottest temperatures

MACHINE	COMPONENT	PRODUCT	BENEFITS
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Cutter/ Leveller  
Fibrizer/ID/ FD Fans

Bearings

**EP-1 Full  
Synthetic Grease  
Food Grade H2**

- Excellent anti-wear EP properties
- Excellent boundary layer resistance in high RPM's
- Superior water washout protection
- Broad Temperature Range -51°C to 343°C
- Reduces oxidation
- Rust & Corrosion protection
- Maximum wear reduction of parts

MACHINE	COMPONENT	PRODUCT	BENEFITS
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Pumps

Bearings

**EP-1 Full  
Synthetic Grease  
Food Grade H2**

- Excellent anti-wear EP properties
- Excellent boundary layer resistance in high RPM's
- Superior water washout protection
- Broad Temperature Range -51°C to 343°C
- Reduces oxidation
- Rust & Corrosion protection
- Maximum wear reduction of parts



MACHINE	COMPONENT	PRODUCT	BENEFITS
Centrifuge	Bearings	<b>EP-1 Full Synthetic Grease Food Grade H2</b>	<ul style="list-style-type: none"> <li>• Superior reduction of bearing wear</li> <li>• Extends component life</li> <li>• Excellent pumpability/ prevents starvation</li> <li>• Superior water washout protection</li> <li>• Broad Temperature Range -51°C to 343°C</li> <li>• Reduces oxidation</li> <li>• Rust &amp; Corrosion protection</li> <li>• Maximum wear reduction of parts</li> </ul>
MACHINE	COMPONENT	PRODUCT	BENEFITS
Electrical Motors	Bearings	<b>EP-2 Industrial Grease Food Grade H2</b>	<ul style="list-style-type: none"> <li>• Greater long term lubrication</li> <li>• Better performance under high loads</li> <li>• Better performance during start and stop operations</li> <li>• Excellent protection from field in high temperature environment</li> <li>• Dramatically reduces downtime</li> <li>• Broad Temperature Range -40°C to 323°C</li> </ul>
MACHINE	COMPONENT	PRODUCT	BENEFITS
Open Gear Drives	Low-Speed Open Gears	<b>EP-2 Industrial Grease Food Grade H2</b>	<ul style="list-style-type: none"> <li>• 200,000+PSI Film Strength</li> <li>• Excellent anti-wear and shear protection</li> <li>• Excellent boundary layer resistance to low speed operations</li> <li>• Excellent protection to open exposure of outside contamination of dust and water</li> <li>• Broad Temperature Range -40°C to 323°C</li> </ul>
MACHINE	COMPONENT	PRODUCT	BENEFITS
Enclosed Gearboxes	Heavy-Duty Gearboxes	<b>Super Duty Gear Oil</b>	<ul style="list-style-type: none"> <li>• 75W-90 Gear Oil with XPL+ Technology</li> <li>• State of the art Anti-Wear properties for gears, bearings and seals.</li> <li>• Excellent protection from wear, shock loading, scuffing and high temperature</li> <li>• Great shear stability</li> <li>• 50 times more film strength than other gear oils</li> </ul>
MACHINE	COMPONENT	PRODUCT	BENEFITS
Air Compressors	Screw Compressor	<b>Industrial Oil Concentrate</b>	<ul style="list-style-type: none"> <li>• Fortified/concentrated XPL+ Technology</li> <li>• 200,000+PSI Film Strength</li> <li>• Better equipment performance</li> <li>• Lowers maintenance costs</li> <li>• Extends oil drain intervals by 25% to 50%</li> <li>• Extends seal life</li> <li>• Reduces oxidation</li> </ul>



12oz

4oz



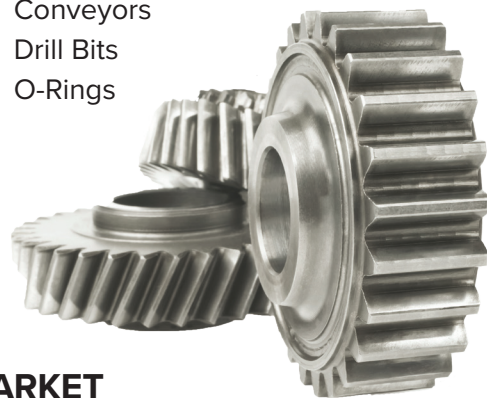
DOES NOT CONTAINS SOLIDS OR HARMFUL SOLVENTS LIKE CHLORINE

# XPL-101

## PENETRATING LUBRICANT

### FOR USE IN:

- Air Tools
- Bolts
- Bushings
- Chains
- Cables
- Electrical Terminals
- Hand Tools
- Hinges
- Ignition Wires
- Levers
- Linkages
- Locks
- Nuts
- Pulleys
- Wheels
- Bearings
- Fasteners
- Casters
- Knobs
- Pistons
- Gears
- Valve Train
- Oil Pump
- Latches
- Conveyors
- Drill Bits
- O-Rings
- Springs
- Rollers
- Sliding Doors
- Lock Tumblers
- Pivot Joints
- Rusted Parts
- Spark Plugs
- Garage doors
- Screw Jacks



## THE MOST POWERFUL SPRAY LUBRICANT ON THE MARKET

No other penetrating lubricant offers **XPL+® lubrication technology** which protects metal surfaces from heat, friction, moisture and the elements, and easily loosens rusted or sticky mechanisms. We guarantee that once you use this powerful **environmentally friendly** formula you will never settle for anything else.

## BENEFITS:

- 50 times more film strength than typical spray lubricants
- Penetrates and bonds to metal
- Reduces friction and heat
- Stops squeaks and reduces noise
- Protectant for air tools
- Loosens sticky, corroded rusted parts
- Protects metal from rusting
- Displaces water & moisture
- Low VOC
- Non-toxic, environmentally friendly
- Does not contain CFC's



APPROVED BY FORD - TOX# 186095

ProOne#	Size	Case Pack
40004	4 oz./ 113g Aerosol	12
40012	11.5 oz./ 326g Aerosol	12
40001	1 Gallon/ 3.785L	4
40055	55 Gallon/ 208L Drum	1



## 1980's

Elton Alderman, CEO of ProOne, researches principle of reversing polarity in lubricants.  
Patent granted for lubrication technology.

## 1990's

Joined by Tim Wagner, Mr. Alderman's company put products to the test in major industrial applications and is used by NASCAR, and IHRA teams.

Becomes the leading automotive infomercial product, and at retail stores such as Walmart, Pep Boys, Autozone and Advance Auto.

## 2007

ProOne, Inc. is formed as a new lubricants company focused on earth-friendly extreme pressure lubrication technology.

## 2009

ProOne used by over 100 manufacturing, mining and transportation companies, school districts and municipalities.

ProOne appoints distributors in Europe, Taiwan, Thailand, China, South Africa and elsewhere.

ProOne receives NSF Food Grade certification for greases.

## 2010

ProOne obtains Ford Tox number certification.

ProOne Downhole Drilling Fluid Treatment first used in an oil well in North Dakota.

## 2011

ProOne successfully used in hundreds of wells in North Dakota, Texas, Oklahoma, California and Colorado.

ProOne wins International Golden Global Brand Award.

## 2012

Approved for national distribution by National Oilwell Varco (NOV), the largest oilfield distributor in the world.

## 2013

ProOne featured in Rigzone and Houston Business Journal, followed by numerous US and international publications.

## 2015

NASA starts using ProOne products.

ProOne featured in Journal of Petroleum & Technology (India), Well Servicing magazine, and Oil & Gas Product News.

## 2018

Saudi Aramco approves ProOne Drilling Fluids.

ProOne applies for patent for ProFlow Production Lubricant.

ProOne appoints distributors in Australia, Oman, UAE and Brunei.

## 2019

ProOne awarded Best Drilling Lubricant Technology Company for 2019 by CV Magazine.

ProOne appoints distributors in Malaysia, Thailand, Indonesia, and Nigeria.

New products launched including finished oil, gear oils, hydraulic oils and valve greases.



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# TESTIMONIALS

## ***EP-2 GREASE OUTPERFORMS COMPETITOR AND SAVES!***

"ProOne EP-2 Grease was applied to bearings which faced high loads and constant problems of heating and breakdowns. The cost of downtime was very high and each bearing cost around \$900 dollars.

With ProOne EP-2 Grease applied to these bearings, the bearings cooled immediately and grease has run more than 29 days now and still running.

Whereas the SKF grease which was imported from Japan for these bearings had a lifespan of 15 days with heating and breakdown issues. They are now applying ProOne to other machinery"

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## ***EP-2 GREASE REPLACES HIGH PRICED COMPETITOR GREASE***

"ProOne EP-2 was applied to expensive bearings which faced uneven wear and high temperatures even after the use of highly priced Kluber greases. With Kluber, bearings were greased every 15 days and had short life as they went noisy in short time.

After adding ProOne EP-2, the bearings were immediately noiseless and cooled down to normal temperatures. Now our technical team is using all the thrown away bearings, and re-using them with ProOne EP-2 grease and are totally impressed with results. We are sending an appreciation letter from their managing director."

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## ***INDUSTRIAL OIL CONCENTRATE SAVES THOUSANDS!***

"In a Slotting application, the savings from using ProOne Industrial Oil Concentrate are enormous. By extending tool life 10 times, and by eliminating a step to increase production from 4 parts per minute to 7.5 parts per minute, a \$449 application of ProOne is estimated to have saved the company \$339,414 annually .. per machine!"

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## ***XPL+ EXTENDS EQUIPMENT LIFE & REDUCES BREAKDOWNS***

"I am writing this letter as a humble note of appreciation for the outstanding product provided by ProOne. We were facing the problem of regular wear & tear in our machines (I.e. Chains, Bearings, Motor Bush breakage, Grease & Oil spillage on a fabric we produce). We found your product very useful & economical in terms of breakdown reduction and maintenance. I would love to recommend your product to anyone who has any kind of industrial & commercial machinery which needs lubrication."



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