

inox^{mx8} PTFE EXTREME PRESSURE GREASE

A PREMIUM INDUSTRIAL GRADE - EXTREME PRESSURE - HIGH TEMPERATURE - LITHIUM COMPLEX AND P.T.F.E. BASE GREASE

The extreme pressure and anti-wear properties of **INOX-mx8** grease gives long service life under high loading and shock loading conditions from very low to very high temperature environments. These special characters of shear stability, combined with the inclusion of effective rust, oxidation and corrosion inhibitors and tackiness adhesives, ensures this grease to be the preferred recommendation for sealed for life anti-friction bearings.

INOX-mx8 has the ability to prevent scuffing and reduce wear under high load and shock load conditions, together with its excellent high shear stability and high temperature operation, makes **INOX-mx8** the preferred choice over other E.P. greases.

INOX-mx8 resists 'SQUEEZE OUT' from surfaces requiring lubrication under load conditions.

INOX-mx8 has excellent resistance to water and water wash out even at elevated temperatures. Effective lubrication is maintained and it also gives protection against corrosion.

INOX-mx8 will not thin out because it is shear resistant or thicken because it resists oxidation.

P.T.F.E. - Polytetrafluoroethylene is a premium grade anti-friction medium which gives increased lubrication and reduces operating temperatures.

SIZES: 300g Aerosol, 450g Cartridges, 2.5, 20 & 180kg Drums

APPLICATIONS & USES

AUTOMOTIVE: Wheel bearings, ball, CV & universal joints, tie rod ends, control and gear change cables, metal bushes, 4 WD winches, trailer ball couplings.

AVIATION: Aircraft wheel bearings, control cables and linkages. All bearings, bushes, control cables and linkages on ground support equipment and machinery.

BEARINGS: Sealed for life bearings, bushes, worm & screw drives.

COMMERCIAL: All mower bearings, bushes and control cables, wheel bearings, hoist chains, sprockets, control cables on Forklifts, Front End loaders and Pallet Trolley Jacks, saw and log feed bed bearings, air conditioner bearings and bushes.

EARTHMOVING: All wheel bearings, track sprockets and pins, PTO splines and couplings, control cables, linkages, tie rod ends, chains and winches on Bobcats, Backhoes, Trenchers, Post Hole Diggers, Bull Dozers and Scrapers.

ELECTRICAL: Motor, generator, alternator bearings and bushes, solenoid shafts.

FARMING: Wheel bearings, PTO couplings and Splines, chain and sprocket drives, winches and cables, wind mill bushes and shafts - shearing shed overhead and elbow gears, pump motors, pins, linkage points, ball joints, universal joints, control cables on Tractors, Harvesters, all Farm Machinery and Equipment.

FISHING: All fishing reel bearings and bushes, cable drum bearings, cables, gears & tackle blocks on Fishing Boats & Trawlers, anchor winches & cables.

INDUSTRIAL: Fan motor bearings in cold rooms and freezers, conveyor belt bearings, general lubrication for all machinery.

MARINE: Boat trailer wheel bearings, trailer ball couplings, deck and anchor winches, steering control cables, all electric motor bearings, bendex assemblies and solenoid shafts, stuffing box bushes.

MINING: All bearings, chain drives, PTO splines and couplings, ball joints, universal joints, control cables, tie rod ends, turntables, pins, bushes and hinges used below and above ground, all electric motors and solenoid shafts, pumps, Draglines, Dump Trucks, Grading and Sorting Machinery, conveyors and all other Mining Machinery and Equipment.

SHIPPING, WHARVES & SLIPS: Hinge pins on container doors, all bearings, bushes, pins, linkages, ball, universal & CV joints, control cables, chains used in winches, Hoists, Loading Equipment, Cranes, Forklifts, Container Handlers and Wharf Machinery Bearings, bushes and cables used in Winches and Boat Cradle Wheels and Tracks on slips.

TRANSPORT: Wheel bearings, ball joints, king pins, universal joints, turn tables, spring shackles, air brake slack adjusters, trailer couplings, tie rod ends, idler arm bushes, control cables and linkages, all electric motor and air starter motor bearings.

TESTIMONIAL to INOX-mx8 GREASE: "I know it will happen one day, but we have not had a bearing failure since we changed to **INOX-mx8** grease over 2 years ago and some the bearings used in here were failing about every 6 weeks ". Peter Farley, Maintenance chief, Ridleys Stock Feeds, Shepparton Vic. Ridleys use several 180kg drums of **INOX-mx8** grease each year.

INOX-mx8 PRODUCT TECHNICAL DATA (ASTM)

NLGI		I2
Soap Type		Lithium Complex
Colour		Red
Texture		Smooth & Tacky
Penetration at 25°C	D.2172	80 min. - 305 max
Worked, 60 Strokes		
Dropping Point, °C	D.2265	260+
Lower Operating Temperature °C		-20
Leakage, Wheel Bearing		
65g Packed, 163°C, g.	D.1263	1.5
Water Washout at 80°C, %	D.1264	3.5
Oil Separation		
24 hours at 25°C kPa	D.1742	2
Oxidation Stability -		
Pressure Drop at 100 Hour, kPa	D.3336	15
at 500 Hour, kPa	D.3336	70
Lubrication Life, Bearing No. 204		
10000 rpm, 163°C, Hours	D.3336	125
Rust Prevention Rating	D.1743	Pass
Timken, OK Load, Kg	D.2509	26
4-Ball Weld, Kg	IP.239	575
4-Ball Wear Scar, mm	D.2266	0.48
Base Oil, cSt at 40°C	D.445	190
at 100°C	D.445	18.0

WHEEL BEARING REPORT

The photos shown below are of 2 wheel bearings out of the same wheel hub of a rental car from one of Australia's major car, bus and truck rental companies.

Both bearings had been installed in the wheel hub for approximately 12 months before the hub was pulled down for inspection and this is what was found to be the problem. Both bearings are of the same quality standard. Both bearings were disassembled and washed in Perchloroethylene (an evaporating solvent) and allowed to dry and then photographed.




The first bearing was lubricated with a supposedly high quality imported grease from the U.S.A. As you can see from the photo, the bearing spindle has about 80% of the hard cased bearing surface stripped away and the bearing rollers are in not better shape

CAUSE: The grease used on this bearing was of such poor quality lubrication-wise that it totally failed, causing the bearing to overheat and tear away the hard cased bearing surface and in turn destroying the bearing rollers.



The second bearing was lubricated with **INOX-mx8 EP Grease with PTFE**.

As you can see from the photo, there is absolutely no wear with this bearing, it's as good as the day it was fitted.



**LUBE
Control**

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