


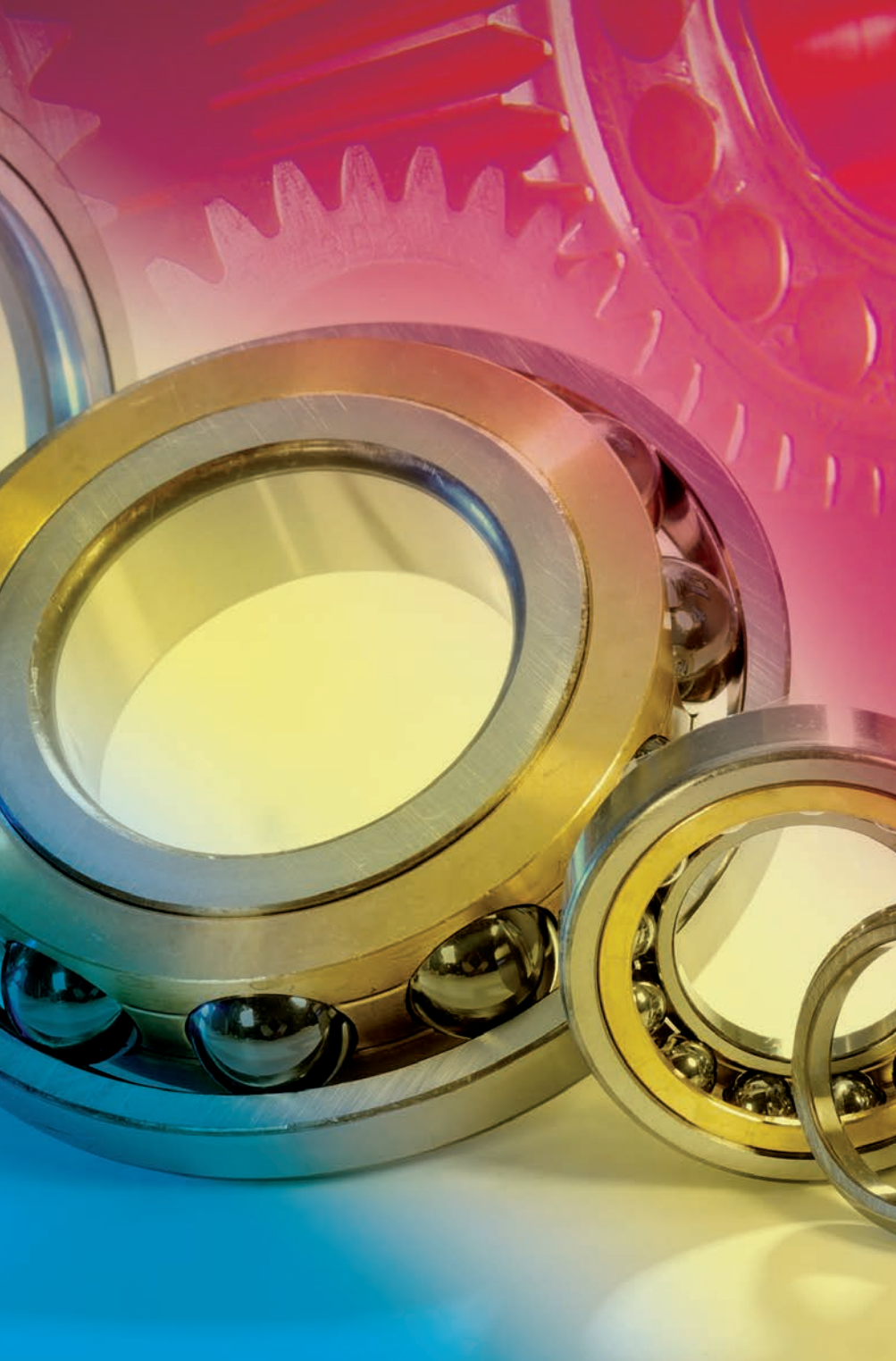
Rolgard[®]

PTFE Reinforced Grease
The Energy Saver



 *J D Jones & Co (P) Ltd*

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Rolgard[®] the high performance PTFE fortified lithium based grease

Rolgard[®] is a unique high-performance and high-temperature lithium based grease reinforced with PTFE. Rolgard[®] deposits a fine, tenacious, clinging film on the applied metal surface and the innumerable micro particles of PTFE act as tiny ball bearings that help minimise friction and temperature buildup.

The presence of PTFE in Rolgard[®] helps propagate smoother movement between movable and interfacing parts even at high speeds and temperatures.

- ⊗ The grease is known to be mechanically and chemically stable, providing effective lubrication at temperatures upto 250°C
- ⊗ Excellent for all metal to metal lubrication
- ⊗ Chemically and mechanically stable. Does not soften or harden, unlike ordinary greases
- ⊗ Excellent thermal stability. Resists oil separation and does not migrate from hot surfaces
- ⊗ Withstands a wide temperature range, -5 to +250°C
- ⊗ Excellent shear stability. Remains where originally applied for extended periods
- ⊗ Reduces friction and wear
- ⊗ Cuts wasteful energy consumption
- ⊗ Controls heat build-up. Safeguards your precious equipment
- ⊗ Reduces noise and vibration, especially in large gears
- ⊗ Contains no chlorine which has been known to promote corrosion
- ⊗ Contains no silicone which has been known to cause migration problems
- ⊗ High di-electric strength
- ⊗ Offers greater malleability than graphite, MoS₂ and other solid lubricants
- ⊗ Joints treated with Rolgard[®] are easily dismantled, even after years
- ⊗ Increases life of equipment
- ⊗ Minimises downtime and maintenance costs

Test results of Rolgard®

Rolgard® has been tested for different relevant parameters as per international standards at the Indian Institute of Petroleum, Dehradun, a unit of the Council of Scientific and Industrial Research. The results have been excellent.

Parameter	Specification	Result
Drop Point	ASTM D-566	256 °C
Evaporation Loss	ASTM D-972	2.56%
Mean Hertz Load and Weld Load	FTM 6503.2	Mean Hertz Load—47 kg Weld Load—224 kg
Oil Separation	FTM 321.2	2.176%
Penetration (Unworked)	ASTM D-217	274 (NLGI 2)
Penetration (Worked—60 Double Strokes)	ASTM D-217	284 (NLGI 2)
Penetration (Worked—1,00,000 Strokes)	ASTM D-217	311
Rust Preventive Property	ASTM D-1743	Pass Rating
Water Washout Characteristics	ASTM D-1264	2.86 %
Gear Wear Test	FTM 335	0.00058 gm/1,000 cycles
Wear, Steel on Steel (4 Ball)	ASTM D-2266	0.670 mm (Wear Scar Diameter)
Boiling Water Immersion	FTM 3463.1	No cloudiness and other evidence of emulsification

Copy of complete test report available upon request.

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smoother movement
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Some Typical Applications

Sugar Mills

Electrical Motor Bearings, Cutters, Levellers, Pre-levellers, Disintegrators, Gear Couplings, Fibrizers, Centrifugals, Pneumatic Valves Cylinders, ID Fans etc.

Cement Industry

Rotary Kiln Car Bearings, Valve Gland Nuts, ID Fans, Electrical Motors, Crushers, Dryers, Vibratory Screens, Air Compressors, Cooler Fans and Motors etc.

Glass Manufacturing Industry

Conveyor Belts, Pusher Bearings, Motors etc.

Textile Industry

Top Rollers and Bushes of DO/2s and DO/6, RSB Draw Frames, Ring Frames, Air Motors and Electrical Motors, High Speed Spindles etc.

Wind Mills

Rotor Main Bearings, Generator Bearings, Blade Pitch Bearings etc.

Paper Mills

Pneumatic Cylinder Drives used on Control Valves, Valve Studs and Bolts, Chain Motors, High Speed Electrical Motors, Dryers, Pulp Washers, Fan Bearings, Coal Crusher Bearings and several Paper Machine Applications etc.

Power Plants

ID Fans, Screw Conveyor Coal Feeder Bearings, Motors and High Speed Applications etc.

Aluminium Plants

Extruders, Motors, Lift Truck Wheel Bearings, Ropes, Gantry Crane Bearings, Slides and Pivots etc.

Steel Plants

Lubrication of Conveyors, ID Fan Bearings, High Speed Blowers, Motors, Grinding Mills, Crushers, Shears, Rolling Mills, Travelling Cranes, Mechanical Presses, Cams, Toggle Joints, Guides, Ways, Slides etc.

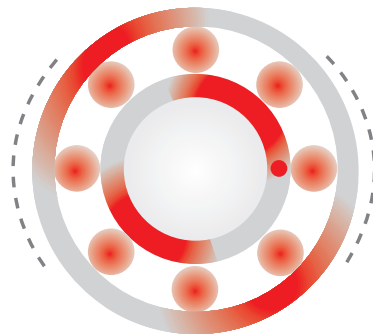
Construction Equipment

Chains of Forklifts, Chassis, Wheel Bearings etc.

Auto and Truck Chassis

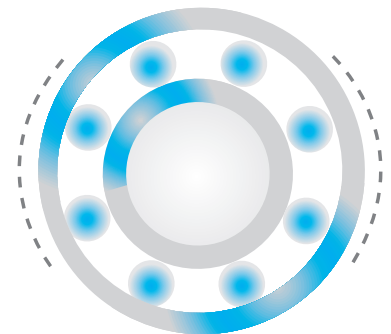
Centralised Industrial Greasing System

In several other applications in general such as **Compressors, Heavy Duty Motors, Power Generating Alternators, Cooling Tower Motors, Irrigation Pumps, Marine Parts etc** to achieve **significant reduction in noise, vibration and operating temperature.**



Without Rolgard®

Bearing packed with ordinary grease results in heat build-up



With Rolgard®

Bearing packed with Rolgard® runs cooler with minimal friction and wear

Testimonials

Larsen & Toubro

We have been facing problems in the abnormal heating of the bearings of fans in the supply of primary air for burning of coal in our rotary cement kiln...with the use of Rolgard® the frequency of re-lubrication has reduced from 1 to 12 weeks and the normal operating temperature has come down from 50°C to 35°C.

Bacau Wolf

Rolgard® is specially recommended for heavy duty bearing of preparatory devices such as choppers, levellers, fibrizers or shredders and centrifugals.

SKF Bearing Industries

We have used Rolgard® grease in our compressor, power generating alternator, cooling tower motors, pumps etc and have found the product to be very good. We have noticed significant reduction in noise, vibration and operating temperature of the bearings.

West Coast Paper Mills Ltd

We have been using Rolgard® from 1980 because of its merits. We have progressively applied it to critical applications in the paper mill such as pulp washers, fan bearings, coal crusher bearings and several paper machine applications. With the use of Rolgard® we have noticed bearing temperature is significantly less leading to improved bearing performance. Rolgard® is now our standard stock item.

Dhampur Sugar Mills Ltd

We have used Rolgard® in large bearing in the cutters and fibrizers. We have found beneficial results in the form of reduced heat build-up and extended life of the grease used for packing.

Tata Power

Rolgard® is used in Coal Crushing Bearings and the frequency of re-greasing has reduced from once in one shift to once in six shifts.

Modi Sugar Mills Ltd

Fibrizer Ordinary Grease lasted for 6/7 days. Cane Chopper Lasted 10/12 days. Cane Kicker Lasted 12/15 days. Hy Duty Motor Lasted for 5/6 days. Rolgard® lasted for more than 200 days. We are using Rolgard® in continuous centrifugal machine also.

BHEL

This is to certify that we have been using Rolgard® grease manufactured by JD JONES & Co Pvt Ltd for the generator bearings and also for the yaw bearings for the past few years. The performance of the Rolgard® grease has been found to be satisfactory for these applications during this period.

GRASIM

We are using Rolgard® grease for the lubrication of 500HP, 3000RPM HT motor bearings and it has given satisfactory service with reduction in operating temperature of the bearings.



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