



## Bearings Bags GOLD

for Quality, Cost & Delivery

**B**earings Division of Tata Steel was conferred the GOLD QUALITY AWARD by Bajaj Auto at their Annual Vendor Conference at Pune.

This award is constituted for the best rated vendor in each category based on a Quality, Cost and Delivery matrix. The weightage for Quality in the rating matrix is 60%, whereas Cost and Delivery have a weightage of 20% each. Tata Bearings was the only bearing manufacturer in the list of Gold award winners to receive this award.

Bearings Division was earlier conferred the GOLD QUALITY AWARD by Bajaj Auto for the year 2008. This is the second time, Bearings Division has been felicitated with this prestigious award.

Bearings Division is a cent per cent supplier of wheel bearings to the new manufacturing unit of Bajaj Auto at Uttaranchal and is also a major supplier to their unit in Maharashtra.



More Performance  
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Applications (pg 3)



# AWARDS RECEIVED



4

In another function this year, Bearings Division was awarded a Quality Performance Certificate from M/s. Tata Motors, Passenger Vehicle Unit, Pune, for achieving ZERO PPM for the supplies of bearings in Q1. Tata Bearings is a major supplier of bearings to the Passenger Car Division for the transmission requirement of the Indica and Indigo range of vehicles.

2

Tata Steel Bearings Division has been the proud recipient of Zero PPM quality rating from M/s. Tata Motors, Lucknow, consistently for 3 months of Q1 of this financial year.

3

Tata Motors, Pune awarded Tata Steel Bearings Division with a Customer Delight certification from for achieving significantly low PPM level as against the target, for supplies made till the month of July 2010.



ZERO PPM QUALITY

1

The Bearings Division has also received the Zero PPM quality rating consistently for 6 months (April to September) of FY'11 from M/s. Toyota Kirloskar Auto Parts Pvt Ltd, Bangalore. Tata Bearings is a 100% supplier of wheel bearing to Toyota Kirloskar Motors.

Ranked **1st**

**R**ane Group, South, has conferred the 1st ranking to Tata Bearings on their Quality, Delivery and Performance matrix amongst 9 Bearing suppliers for the Quater April-June'10. The Bearings Division supplies bearings to Rane Group for the manufacture of steering solutions for leading automobile manufacturers in India. The Division is developing a number of new products for Rane Group.



## MECHANICS' MEET IN THE NORTHERN PROVINCES

**A** Mechanics' Meet was held in **Ludhiana** (Punjab) in July for knowledge sharing with the end users of bearings on mounting and dismounting of bearings and new developments at Tata Bearings. The meet was attended by over 35 mechanics from the automotive segment. This was a part of the Division's regular interaction with end users of bearings to enhance their competency on bearing fitments.



# NEW DESIGNS

**6202NC**



**DEVELOPED FOR NEW MODEL OF HERO HONDA**

All bearings **6202NC** has been designed and developed for the engine application in new model of motorcycle of Hero Honda Motors Ltd. The inner race is carbo-nitrided to increase the life of bearing by 3.5 times. Hero Honda remains the biggest customer of Tata Steel Bearings Division and this' development would help them service Hero Honda's requirement for engine bearings particularly in the new model planned for launch.

**6302C3ELB**



**DEVELOPED FOR PIAGGIO**

Tata Bearings developed a new ball bearings, **6302C3ELB**, for engine application of Piaggio range of three wheelers. This bearing has been developed based on field application data to suit Indian road conditions and is capable of taking at least 20% more load than the conventional bearing. This would help in containing the field failure problem arising due to extra loading of the vehicle.

## Health in Focus

For the well-being of all employees, and enhance their individual potential, the Bearings Division of Tata Steel has taken up a number of Health initiatives.



A programme entitled "Myths and Misconceptions in Diabetics" was conducted at the Works. Dr K K Gangopadhyay, MD, MRCP, CCT from Peerless Hospital, was invited to deliver a talk on the subject, its causes and measures to control.

**YOGA**  
CAMP



A 2-day Yoga Camp was also organized at the Bearings Works by disciples of Baba Ramdev. The Camp received enthusiastic participation from the employees.



# PERFORMANCE PICKS UP PACE



Tata Bearings has recorded best ever Performance in many facets in the H1 of the current accounting year. Here is a glimpse of the achievements:

## • BEST EVER PRODUCTION •

**H1 Current Year** - 16.1 Mn. Nos. FY '11  
**Previous Best** - 14.56 Mn. Nos. H1 FY '09

## • BEST EVER SALES •

**H1 Current Year** - 16.24 Mn. Nos. FY '11  
**Previous Best** - 15.56 Mn. Nos. H1 FY '10

## • LOWEST EVER DEBTORS •

**H1 Current Year** - 7 days FY '11  
**Previous Best** - 11 days H1 FY '10

## • BEST EVER DESPATCH •

**H1 Current Year** - 16.2 Mn. Nos. FY '11  
**Previous Best** - 14.52 Mn. Nos. H1 FY '10

## NEW BEARING DESIGNS FOR THE INDUSTRIAL SECTOR

The Schaeffler group, developer and manufacturer of precision bearings products for machines, equipment and vehicles has recently developed the tube roller bearing and the ball roller bearing for the industrial sector.

Tube roller bearings are conventional cylindrical roller bearings that are aimed at a specific running condition. In these, three of the rollers are slightly larger in diameter than the norm, and are designed as hollow tube rollers. The purpose of this is to enable the bearing to withstand varying loads. When the loading is low, it only uses the three hollow rollers to keep the rolling elements rotating by having a slight preload between contact surfaces. When the load suddenly becomes heavy, the hollow rollers will flex slightly without exceeding the elastic limit of the steel to enable the solid rollers to carry the load.

"Underloading a bearing can be just as damaging as overloading because, when the load is not heavy enough, the rollers slide or skid instead of turn." The hollow roller bearing is particularly suited to steel mill applications, where the load varies substantially," says Schaeffler South Africa field service engineer Eugene Nortje.

The ball roller bearing is similar to the average ball bearing, the difference being that 15% of each side of the ball rollers has been ground down, resulting in a ball bearing that is 30% narrower than the average. The advantage of a narrower ball bearing is that it is able to fit into more compact designs. As two are able to fit next to each other, it also results in higher load-carrying capacity.

In the last two decades, counterfeiting in general has grown substantially, globally. While there has been much reporting about consumers being taken advantage of by counterfeits in music, film, home electronics and designer clothing, a far greater risk lies in industrial counterfeiting of items such as tires, seals and bearings. Many of these products are safety-critical and fake versions may pose a real threat.

## AWARENESS CAMPAIGN AGAINST COUNTERFEITING

To raise the awareness about this the World Bearing Association (WBA) has launched a campaign to inform about potential safety hazards arising from counterfeit bearings.

"Our initiative is aimed at sensitizing the public on the dangers associated with counterfeits," says James W. Griffith, WBA president. "The WBA is thus intensifying its anti-counterfeiting initiatives - that means information for customers on the one hand and consistent prosecution of offenders through the competent authorities on the other."

The WBA anti-counterfeiting information campaign will reach out to various audiences through e-mails, Web banners, social media and the campaign site, [www.stopfakebearings.com](http://www.stopfakebearings.com). At the site, interested consumers can learn more about counterfeiting of bearings and what is being done to stop it.

## NEW SIZES OF SUPER-AP3 Grease

Bearings Division has launched **two new pack sizes** of **20Kgs** and **182Kgs** under its brand of grease "**Super AP3**" in collaboration with Balmer Lawrie & Co. Ltd. With this launch the entire range of grease would now be available from Tata Bearings starting from 100gms to 182Kgs and will help in servicing the requirement of all segments, including bulk consumers.



We welcome your feedback on our edition of 'BREAKING NEWS'

Please send your replies to

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