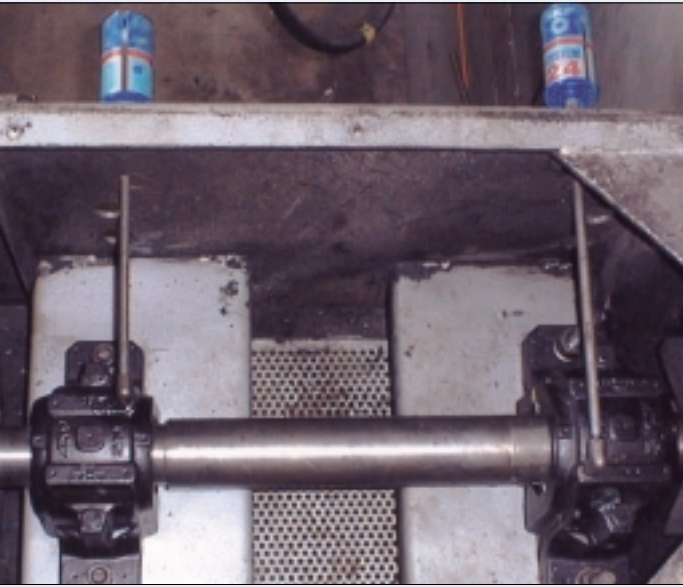


SKF Reliability Systems



SKF bearing solution gets many fans

Revolutionary CARB™ toroidal roller bearing and SYSTEM 24 automatic lubrication increases bearing life twenty-fold.

At Acordis Acrylic Fibres plant near Grimsby, 260 drying fans operate 365 days a year, in a dust laden atmosphere at 160°C. In this application the life of the existing fan bearings was often very short. Installation of SKF's revolutionary CARB™ bearing and SYSTEM 24 automatic lubrication system, has increased bearing life from only six months to a projected 10 years.

When Acordis introduced vibration analysis, condition monitoring and a planned maintenance regime for their cooling fans, they found that 50 percent of fan bearings had to be changed within six months. Acordis consulted its local authorised SKF Distributor, BSL, who immediately asked SKF to perform a review of the fan bearing arrangement. This confirmed that the drive end bearings only had a predicted service life of six months under the harsh conditions.

As a solution, for the drive end, the award winning, CARB toroidal roller bearings and SNL plummer block housings were installed. SKF retained the spherical roller bearings at the non-drive end, but mounted them in new SNL split plummer block housings. Both bearing positions were lubricated with SYSTEM 24 automatic lubricators, dispensing grease at a constant, reliable rate. It was calculated that these changes would eliminate unplanned downtime, and enable Acordis to switch to a planned maintenance cycle of just one day in every 20 weeks.

This new bearing solution has now been adopted as a standard for the Acordis plant. In less than a year, the condition monitoring programme has saved £140,000 in overall downtime and, since the installation of CARB™ and SYSTEM 24, there has been no lost time related to the new bearings. Compared to the previous solution; the new SKF bearing arrangement costs less to install and fitting is far simpler.

Engineering solutions

Proactive Reliability Maintenance (PRM)

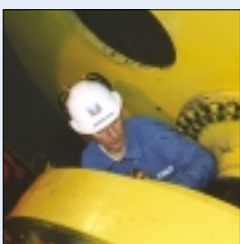
Integrated Maintenance Solutions (IMS)

Condition monitoring services

Maintenance services

Refurbishment services

Training courses



■ Proactive Reliability Maintenance (PRM)

- Proactive Reliability Maintenance™
- Fan reliability programme

■ Integrated Maintenance Solutions (IMS)

- Integrated Maintenance Solution™
- Integrated Maintenance Solutions for the paper industry

■ Condition monitoring services

- On-site condition monitoring services
- CoMo-Link remote diagnostics
- Lubrication analysis service
- Keeping the power flowing

■ Maintenance services

- Precision mechanical services
- Bearing installation
- Bearing failure analysis

■ Refurbishment services

- Bearing refurbishment service
- Bearing refurbishment for railway taper bearing units
- The vital link in clip chain refurbishment

■ Engineering solutions

- Getting bearings on the London Eye
- SKF on board the world's largest pipeline laying ship
- Where there's a wheel there's a way
- An open and shut case for SKF
- Customised housings solution
- SKF bearings can stand the heat
- SKF bearing solution gets many fans
- Where there is muck, there is brass
- Design and project engineering
- Technical consultancy

■ Training courses

- Industrial bearing maintenance and service
- Balancing with Microlog™
- Machinery Analysis I
- Machinery Analysis II
- Fundamentals of machine condition
- Intro to PRISM⁴ for Windows™
- Intro to Microlog™ system
- Intro to PRISM⁴ on-line systems
- Intro to Machine Analyst™
- Intro to the MARLIN® system

Engineering solutions

Proactive Reliability Maintenance (PRM)

Integrated Maintenance Solutions (IMS)

Condition monitoring services

Maintenance services

Refurbishment services

Training courses