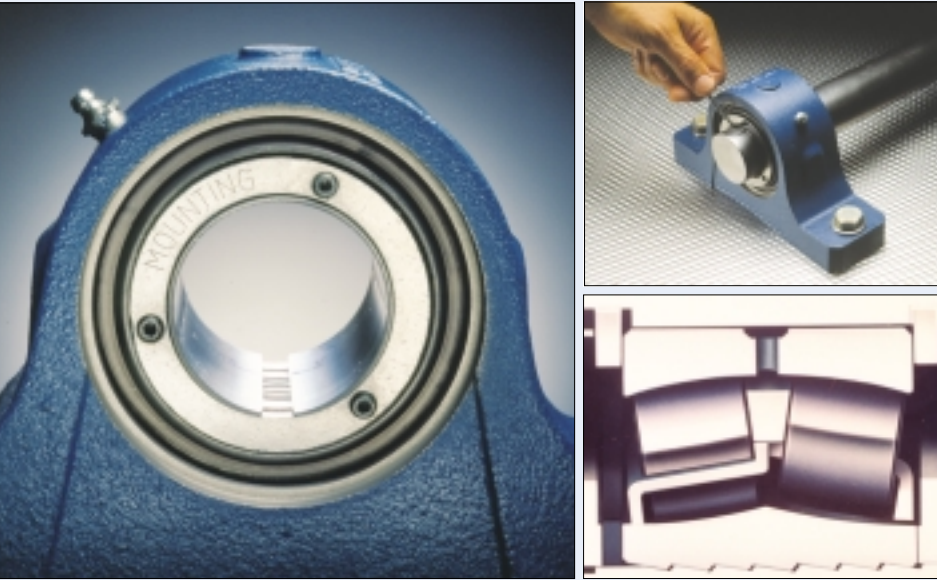


SKF Reliability Systems



Where there is muck, there is brass

SKF Pop Release has dramatically reduced the time taken to replace bearings at an East Anglian sewage works.

It used to take maintenance fitter Norman Ladds and his team up to six hours, to replace and overhaul damaged filter-bed wheel bearings at Anglian Water's Canwick STW sewage treatment plant just outside Lincoln. Now, thanks to SKF 'Pop Release' bearing units, one man can do the job in just one hour.

There is now no need to strip down a damaged bearing assembly in the workshop, as worn Pop Release bearing units can be replaced on site using just an Allen key and a spanner. Norman Ladds reckons he has saved almost £150 in reduced labour costs and materials for each bearing overhaul. With roughly 200 bearing locations that could be replaced with the Pop Release unit, this offers huge potential savings on Canwick's annual maintenance bill.

Each filter bed at Canwick is spanned with bridge units which run on a carriage and wheel assembly driven by an electric motor via a sprocket and chain.

The bridge units run continuously 24 hours a day, 52 weeks a year and tend to wear out the sprocket and chain drive every 12 months.

In order to renew the sprocket, the wheel assembly had to be stripped out of the carriage, transported to the maintenance workshop, dismantled and the drive sprocket replaced.

During the disassembly, the bearings were often damaged and these too would need to be replaced. With the bridge unit fitted with the Pop Release units, the sprocket can now be replaced without stripping the carriage assembly from the bridge unit and the original bearing can be reused.

Norman Ladds plans to replace all the filter bed bearings with SKF Pop Release bearing units. Longer term, other sewage treatment works in North Lincolnshire and Anglian Water are likely to convert to the same Pop Release solution.

Engineering solutions

Proactive Reliability Maintenance (PRM)

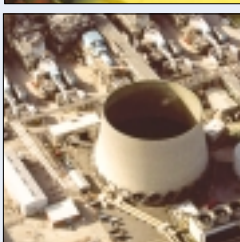
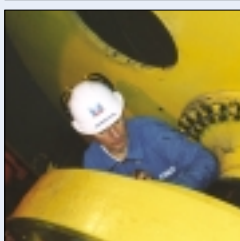
Integrated Maintenance Solutions (IMS)

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

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