

# Moving to better housing

PHIL AND KIRSTY ON THE TV ARE NOT THE ONLY ONES WHO KNOW HOW TO GET YOU INTO BETTER HOUSING. SKF DO TOO. AND LOCATION, LOCATION, LOCATION IS NOT AN ISSUE, BECAUSE THE LATEST IMPROVED BEARING HOUSINGS ARE CONVENIENTLY LOCATED AT ERIKS – AN SKF AUTHORISED DISTRIBUTION PARTNER.



The new-generation SE bearing houses from SKF are designed to replace the current SNL designations with an upgraded, more robust, higher quality housing, that performs better, lasts longer, and is easier to maintain.

The improvements start with the higher grade material used in the manufacture of the new housings, which is stiffer and more robust. The new material also gives SE bearing housings a higher load-carrying capacity and greater shock load resistance than the SNL housings they replace.

Together with an improved paint finish that's more resistant to corrosion, these enhancements make the upgraded bearings ideal for heavy duty industrial use, such as in the waste and recycling industry.

### Longer-lasting

It's not only the increased robustness of the new housings which helps to make them last longer, even in tough operating conditions.

Manufactured with greater machining accuracy, the SE housings enable the

bearings to sit truer, so they run better. The design of the casting allows heat to dissipate better than before – especially through the redesigned base – which helps to increase lubricant life and therefore reduce wear and tear. And finally, the lubrication grooves and holes have been improved to increase the effectiveness of the lubrication, which means reduced grease usage, a smoother-running bearing, and a longer-lasting housing.

Of course, even in the new housing the bearing will need servicing. But an improved pry slot helps to make it easier.

### All things considered

The environment benefits just as much as industry from the new SE housings.

The new housings are more robust than the ones they replace, and yet they are manufactured using less material for forming. This means not only fewer raw materials consumed for their production but – because they are lighter – less fuel used for shipping. The production process also consumes less energy, which in turn means less pollution.

SKF have also considered the production process from end to end, including end-of-life disposal of the bearing housing. So the entire lifecycle of the new housing has the minimum possible negative impact on the environment.

### Automatic upgrade

As ERIKS is an Authorised Distribution Partner to SKF, ERIKS' customers will automatically receive the upgraded housings with all new orders, as soon as they are available for the relevant SNL designation.

Already, the housings for around 50% of the SNL designation bearings have been upgraded. The remainder will be replaced in the range on a rolling programme through to January 2014 – automatically giving you the benefits of the new SKF SE bearing housings, as soon as they are available.



# A **SPLIT** DECISION



IF YOU'RE PROCESSING 10,800 TONNES OF PAPER, CARDBOARD AND PLASTIC IN CONTINUOUS 15-HOUR SHIFTS, EQUIPMENT DOWNTIME IS A SERIOUS ISSUE. SO WHEN CONDITION MONITORING REVEALED AN IMMINENT BEARING FAILURE AT A WASTE PROCESSING PLANT, ERIKS RECOMMENDED NOT JUST A NEW BEARING BUT A NEW TYPE OF BEARING.

ERIKS' customer is a waste sorting plant in Holland, taking in over 400 containers of mixed waste on every shift, and despatching 370 containers of sorted waste for processing. The continual nature of the process means that the main drive idles the belt of the primary sorting conveyor at a constant low speed for the duration of the shift. And as the critical drive in the system, a bearing failure means complete stoppage of the process for as long as it takes to replace the bearing.

The lengthy replacement time, and the relatively short bearing life between replacements, convinced ERIKS that they could offer the customer something better than a like-for-like bearing swap.

### Access all areas

One of the major issues with replacing the existing shaft-mounted, captive bearing – positioned between the gearbox and coupling – was the need to access and remove not only the bearing itself but also the gearbox. Then, once the new bearing was in place, the power transmission equipment had to be remounted and rebalanced.

The size and weight of the equipment also meant that a crane had to be brought in for lifting: increasing the length of time for the job, the cost, the number of personnel involved, and the number of areas of the plant which were affected, through Health and Safety issues such as closure whilst the crane was in operation.

### ERIKS' solution was to replace the existing bearing with a Revolvo Split Roller Bearing (SRB).

The innovative split-to-the-shaft design of the Revolvo SRB means it can be removed and replaced without requiring access to the shaft ends.



### Change for the better

For the customer, the new Revolvo SRB not only eliminated the time and expense of removing, replacing and rebalancing the gearbox. It also helped to prolong the life of the bearing, through its more robust sealing and rugged construction.

Its Kevlar Gland Packing Seal offers more protection against the high dust content in the processing area, and the cast iron manufacture of the supports and housings provide greater strength and durability, and better shock load absorption. In fact, the housings are up to 35% stronger than some comparable products.

No wonder the customer is so confident of the longer service life of the Revolvo SRB that they no longer keep a spare bearing onsite.

And at less than three hours to remove and replace the old bearing, reconnect the drive and start it up, waste at the plant is now limited to paper, cardboard and plastic – not time and money.

