Stork Gears & Services, with a high degree of expertise in the field of gearboxes and gear technology, is specialist in the manufacture, repair and modification of gearboxes, gears and all related components for all brand names. The **Service Department** possesses decades of experience in gearbox revision. As an independent company that repairs drive mechanisms, we revise all types and brands of gearbox. We are active within various sectors that demand that we adhere to sharp deadlines. The departments that carry out the activities of fitting, engineering and project management support the entire revision process.

New built

Although Stork Gears & Services is oriented towards repair and development, we also manufacture Custom made newly-built gearboxes, in particular for special limited-edition applications, all within a sharp deadline.

Approach

The speciality determines our approach to repair work. The route described below is followed subsequent to a service request for a gearbox, whereby the work can be carried out either at our workshop or on location:

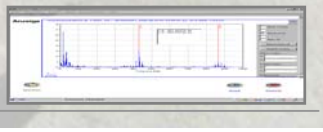
* Determination of the gearbox condition. During this the bearing adjustments, tooth clearances and contact patterns are specified.
* Careful dismantling of the gearbox, drawing up of an inspection report and execution of damage analysis in order to discuss proposals for improvement with both the client and engineering department.
* Revision proposal and quote provide the client with a clearer picture as to the scope and costs.

Once the above mentioned process has been executed, fitting activities are carried out with the parts supplied, whereby:

* The gearbox, complete with new components, is fitted.
* Bearing and gear clearances are adjusted and contact patterns are laid down/specified. Stork Gears & Services offers the major benefit of being able to grind up the gearing in our technically-advanced gearing department if circumstances dictate that the tooth play and contact pattern are not to standard specifications. All results are laid down in our report, which is handed over to the client subsequent to revision, complete with all documents (certificates if necessary).

Test running

A crucial final step in the revision process is the unloaded testing of the revised gearbox at our test location. This test location consists of a surface of approximately 60 m^2, where it is possible to simultaneously run our test procedure with 5 gearboxes.



Using a 'speed-up' gearbox (operated by our staff), testing can be executed up to a capacity of 187 kW and a rotation speed of approximately 20,000 rev/min. During the above mentioned procedure, the gearboxes are tested for 4 hours whereby the following parameters can be specified:

* Temperatures
* Vibrations
* Sound (emissions)
* Oil sealing/density

All information is laid down in a test run report and subsequently sent to the client.

Other facilities

Our workshop houses a vertical press for specialist activities, such as disassembling gears from shafts. This press has a maximum capacity of 2500kN, with which gears up to an outside diameter of 1400 mm and axles with a length of up to 1800 mm can be pressed out.
In addition, we are equipped with various hydraulic pulleys and a Hytorc force multiplier. Furthermore, we have 4 alignment computers with which we are able to quickly and efficiently execute on-site alignments that are accurate to 0.01 mm. Stork Gears & Services is also able to investigate cracks by using the magnetic and penetrative method.

Stork Gears & Services carries out this service, along with repair work, inspections and start-ups of gearboxes, throughout the entire world.

With our *'All over the world'* 24-hour service, we offer our clients total availability and service-oriented usability in which dependability, quality and speed are our most important mainsprings.

Stork Gears & Services

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