

## Drilling rig jacking system inspection and maintenance

The evolving nature and the intermittent use of jacking systems means correct maintenance and inspection are critical to preserving asset integrity and safeguarding crews. Our experienced team perform inspection, maintenance, overhaul, refurbishment and repairs on all types of jacking system, ensuring you have confidence in the reliability of your equipment.

### INSPECTION AND TESTING

We utilise a wide range of traditional and advanced examination and testing techniques carried out by qualified inspectors, and our rig activation services support you to achieve classification. We also provide services to "one-off" systems including reverse engineering of components where OEM support is no longer available.



Ensuring  
reliability, safety  
and compliance



Sparrows group is a DNV-GL approved service provider and an ABS recognised specialist for the inspection and maintenance services of jacking systems.

Sparrows carry out inspections, maintenance and repair on a variety of jacking systems including:

- LeTourneau
- National NS400
- Baker Marine
- CFEM
- Gusto
- Thyssen Krupp
- Keppel OTD.

We undertake inspections of leg racks to determine the status of your rack teeth through profiling and detailed measurement. This enables us to identify any possible damage or deformation to prevent future major failures.

### REPAIR AND OVERHAUL

Our local expertise and capability allows us to deliver a quick and cost-effective service for jacking system repair, overhaul, commissioning, upgrade and recertification. We work to all classification, certification and OEM requirements to ensure compliance.

Services include:

- Visual inspection
- Annual inspection
- Five yearly SPS
- Boroscopic inspection
- Gearbox overhauling
- Repair and upgrade.
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### BOROSCOPIC SURVEY

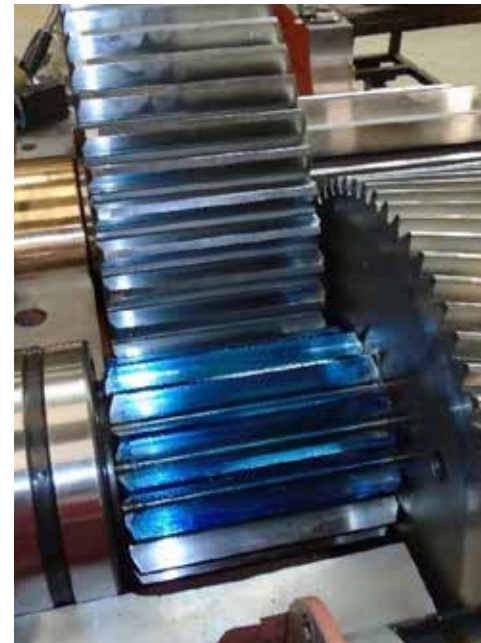
Preventing downtime by using state of the art equipment, we can:

- Carry out inspections of all gear types
- Identify any possible damage within an enclosed gearbox at an early stage
- Reduce time during inspections
- Reduce cost on larger projects.

Jacking system units



Gearbox refurbishment



New output shaft and bearing - LeTourneau



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