



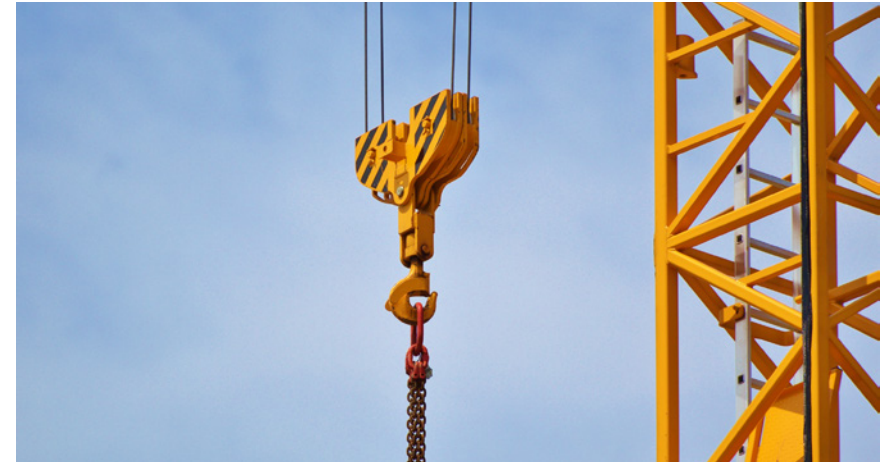
SPECIALITY INSPECTION SERVICES

LIFTING EQUIPMENT INSPECTION AND MANAGEMENT SYSTEM

The safety and reliability of a lifting appliance or lifting gear cannot be ensured unless it has received regular inspections. Regular inspections are particularly important because they provide a useful means of detecting potential hazards which could contribute to accidents. Regular inspections can also forewarn the owner of necessary preventive maintenance or repair, the lack of which can lead to serious deterioration of the lifting appliance and expensive replacement or repair charges.

An inspection means a visual and physical checking usually supplemented by a functional check to examine the states of individual items of a lifting appliance or lifting gear. The purpose of an inspection is to find out whether there is any item having abnormal wear and tear, malfunction, oil leakage, overheating, corrosion, unusual noise, dislocation, visual cracks, misalignment, overloading, abnormal slackening or elongation, and excessive vibration, etc. and if necessary to arrange for subsequent remedial actions such as repair and replacement of the defective parts, or to stop the lifting appliance or lifting gear from further use if a critical condition exists.

A thorough examination should cover those components of lifting appliances and lifting gear which are subjected to certain degree of exposure to wear, deterioration, malfunctioning or misalignment. Lifting appliances and lifting gear should be carefully examined to identify any deficiencies that



may constitute a hazard. To ensure that the lifting appliance or lifting gear is safe to be used, a thorough examination not limited to the following should be conducted:

- Visual examination;
- Dimensional examination;
- Functional or operational test;
- Open-up examination;
- Electrical test and examination;
- Non-destructive test.

At TECSEP we follow the most stringent standards and procedures (DNV, EN and API) for the Inspection of Lifting Equipment and also recommendations and regulations (LOLER, LEEA) to provide the best in quality services to the Angolan Oil Industry. Our lifting equipment Management systems ensure that every single item used in lifting in our client base is captured and managed via our system for Inspection, certification and maintenance to guarantee the safety of these at any time.