AMOSCO

LIFTING EQUIPMENT INSPECTION

- INTRODUCTION TO LIFTING
- SCHEDULE OF INSPECTION
- ASCEND DATABASE
- DOCK SIDE INSPECTION
- STRUCTUAL ENGINEERING

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INTRODUCTION

The logistics, equipment and processes involved in the Hydrocarbons industry inevitably make the industry highly reliant upon lifting and mechanical handling equipment.

Lifting equipment, cargo carrying units and lifting appliances continuously interface closely with personnel throughout the industry from onshore workshops and storage facilities to the drill floor or production deck offshore, and all points in between.

The condition and serviceability of this equipment directly effects both the safety environment and efficiency of personnel dramatically.

At every stage of the many processes involved, lifting equipment and appliances play an integral and vital part in every task involving the movement of goods or equipment generally in excess of 30KG.

Therefore the availability of suitable lifting equipment and appliances within every organisation is crucial to efficient and smooth operations.

The method utilized by the industry in general, and specifically the hydrocarbons industry, to monitor and control this vital component discipline, is by the thorough examination and inspection of lifting equipment and appliances. This is done to ensure that the areas inspected are free from defects during the time of the inspection.

The general processes undertaken in the periodic thorough examination of lifting equipment are as follows: -

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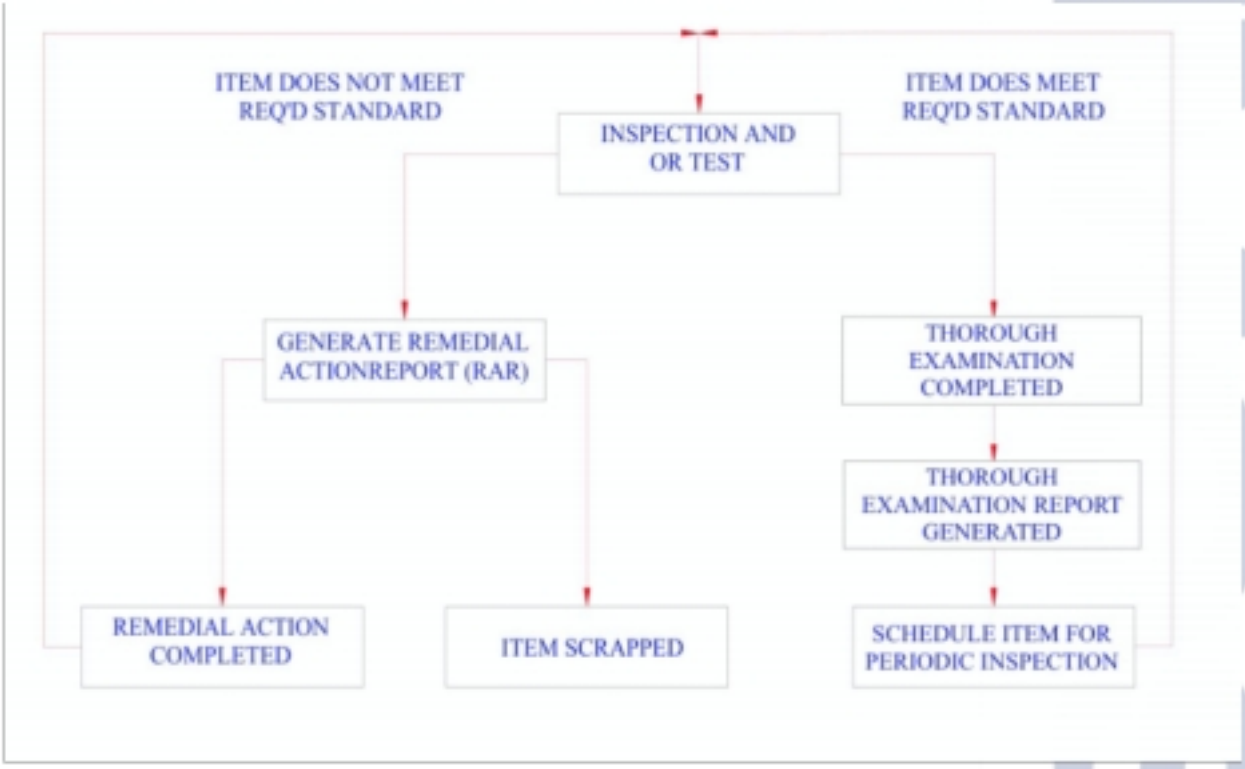
INTRODUCTION



Thorough Examination and Inspection:

The effectiveness of any thorough examination and inspection is entirely reliant upon the standard of personnel and processes involved in undertaking the required inspection surveys.

The delivery of a comprehensive and effective inspection survey requires trained and qualified inspectors working with Standard Operating Procedures and within a Quality Assurance system developed from extensive experience of the requirements of clients in relation to the discipline.

The enclosed information is intended to describe the philosophy and facilities developed by AMOSCO and offered to its clients relating to the thorough examination and inspection of lifting equipment for assessment by existing and potential users of our services.

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SCHEDULE OF INSPECTION

Recommended Schedule of Testing / Thorough Examinations.
Based on LOLER and LEEA Code of Practice.

Cargo carrying, Transportation and Offshore Working units.

INSPECTION INTERVALS

Initial	6 month	12 month	18 month	24month
See	Visual	Visual	Visual	Proof load
Below	Examination	Examination (NDT)	Examination	Test. (NDT)

In addition to the above intervals, the Proof Load Testing and NDT of any item will also be carried out following the repair and or alteration of the equipment concerned, and or at the discretion of the attending AMOSCO inspector.

Client equipment, which does not have suitable proof load test report, will need to be subject to proof Load test and NDT at the initial inspection of the relative item.

Slings, Shackles and Lifting sets.

INSPECTION INTERVALS

Initial	6 month	12 month	18 month	24month
See	Visual	Visual	Visual	Proof load
Below	Examination	Examination	Examination	Test.

In addition to the above intervals, the Proof Load Testing of any item will also be carried out following the repair and or alteration of equipment, and or at the discretion of the attending AMOSCO inspector.

Client equipment, which does not have suitable proof load test report, will need to be subject to proof Load test and NDT at the initial inspection of the relative item.

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SCHEDULE OF INSPECTION

Loose tackle, Rigging equipment

INSPECTION INTERVALS

Initial	6 month Intervals thereafter.
See Below	Visual Examination

In addition to the above intervals, the Proof Load Testing of any item will also be carried out following the repair and or alteration of equipment, and or at the discretion of the attending AMOSCO inspector.

Client equipment, which does not have suitable proof load test report, will need to be subject to proof Load test and NDT at the initial inspection of the relative item.

Fixed Overhead Cranes, Runway Beams, Swing Jibs and Manual Lifting Machines (Chain Blocks / Pullifts)

INSPECTION INTERVALS

Initial	6 month Intervals.	60 months (or less if specified by other constraints)
See Below	Visual Examination	Proof Load test

In addition to the above intervals, the Proof Load Testing of any item will also be carried out following the repair and or alteration of equipment, and or at the discretion of the attending AMOSCO inspector.

Client equipment, which does not have suitable proof load test report, will need to be subject to proof Load test and NDT at the initial inspection of the relative item.

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ASCEND DATABASE

ASCEND is AMOSCO's Lifting Inspection Management System.

System objectives:

The system has been devised to offer a comprehensive and consistent platform for the reporting of inspection activities undertaken by AMOSCO, and the presentation of subsequent reports and data to AMOSCO clients in digital form within a database structure.

System components:

ASCEND consists of the following major components: -

EQUIPMENT REGISTERS

INSPECTION HISTORY

PERIODIC INSPECTION TRIGGER LISTS

ACTIVE REMEDIAL ACTION REPORTS

REPORT GENERATION ROUTINES

The facilities offered by the system to AMOSCO clients are as follows: -

EQUIPMENT REGISTERS

INSPECTION HISTORY

PERIODIC INSPECTION TRIGGER LISTS

ACTIVE REMEDIAL ACTION REPORTS

The above facilities are offered via the periodic updation of digitised data for remote site viewing as required by the client.

The above facilities are described in detail below.

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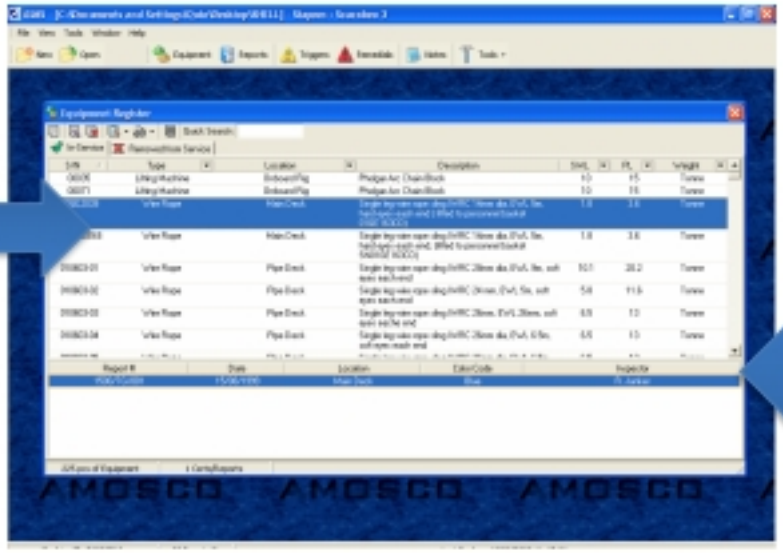
ASCEND DATABASE

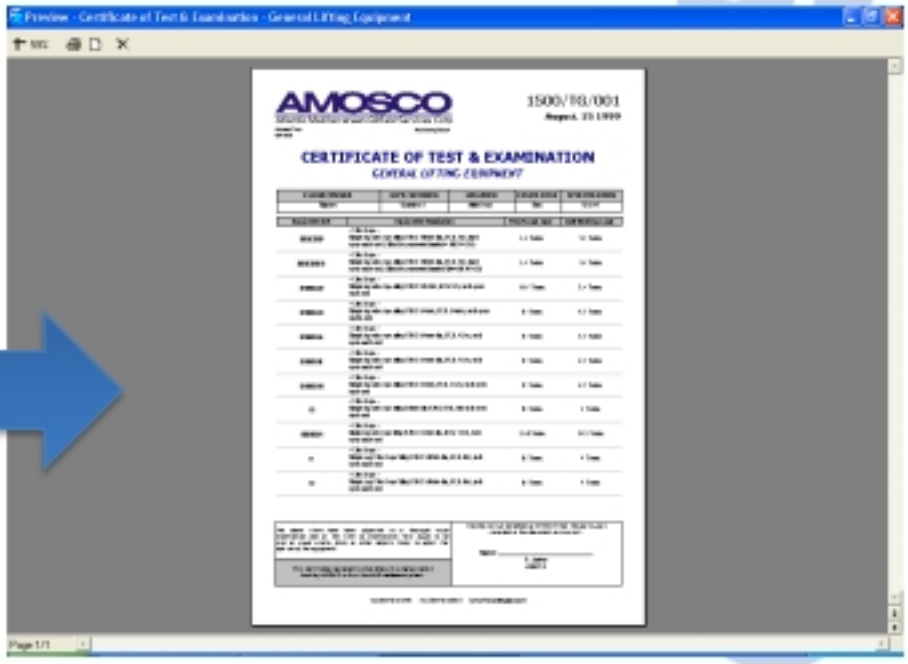
Equipment Registers and Inspection History:

All items of equipment are recorded individually.



Each selected item automatically highlights the relevant Inspection history for that item..

Selection of the highlighted Inspection from the above screen will present the relevant Inspection Report for viewing and or printing.



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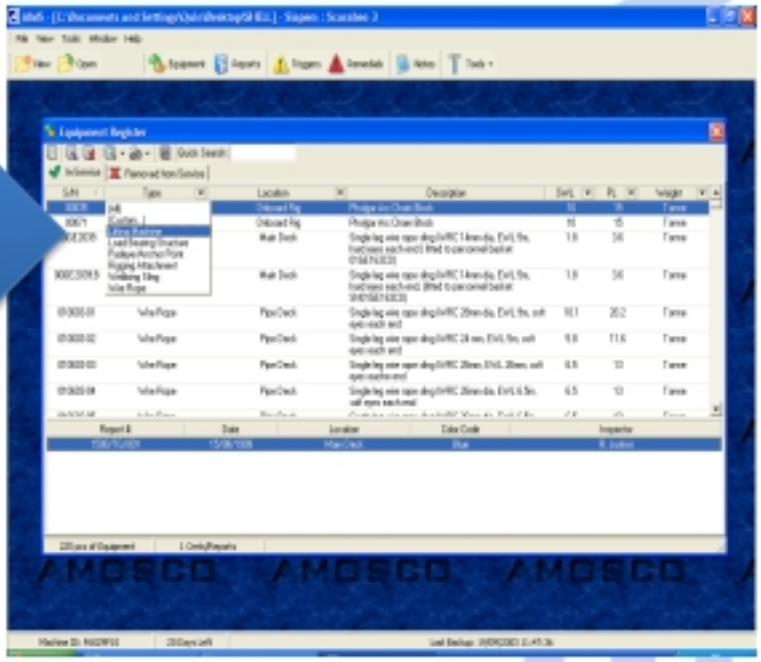
ASCEND DATABASE

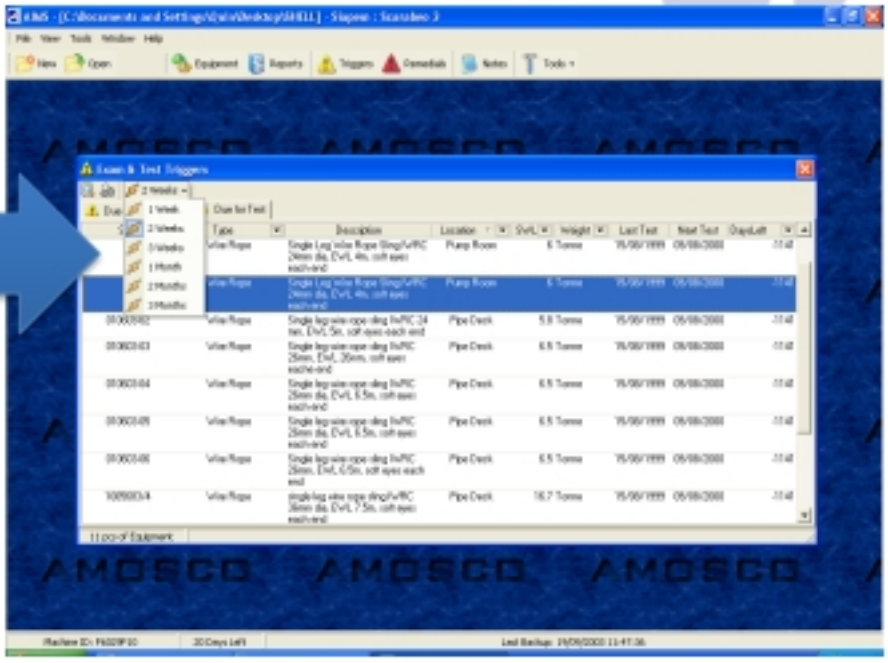
Equipment Registers:

Registers have comprehensive filter routines to enable fast and user-friendly equipment selection.



Periodic Inspection Trigger Listings:

The system enables the user to view 'Trigger ' listings filtered to display equipment due for Examination or Test within the user chosen time window.



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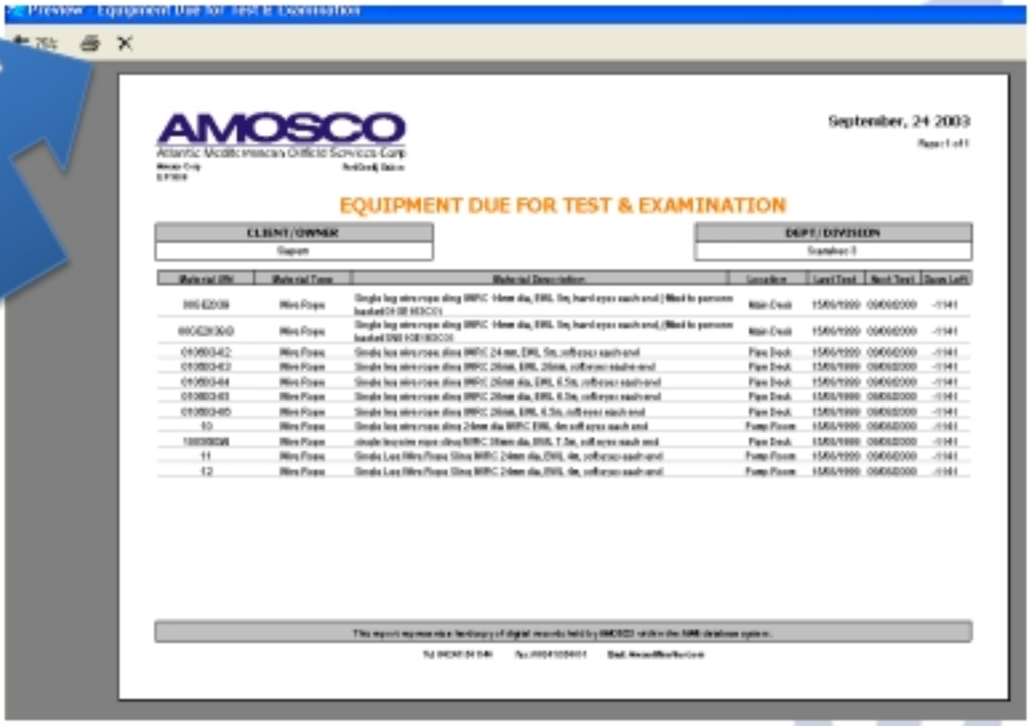
Periodic Inspection Trigger Listings:

Viewed 'Trigger' lists can be printed to hard copy at the click of a button.



Active Remedial Action Reports:

Summary reports detailing all current remedial actions, required subsequent to previous inspection surveys can be viewed and printed by the user easily.

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DOCK SIDE INSPECTION

SERVICES.

AMOSCO offers bespoke services for inspection at dock side in order to insure that only suitable loads satisfying all logistic and HSE specifications for each operator are authorized to be on the dock side and loaded onto supply boats.

The services include but are not limited to the establishment and implementation of the rules to be followed on the site, the presence at all time of qualified inspector(s) allowing the various payloads to enter the operator's transportation system (i.e. control of the validity of the certificates, colour codes, slings and all necessary steps required by the code of practice).

AMOSCO will be pleased to submit a bespoke quotation on specific matters as and when necessary.

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STRUCTURAL ENGINEERING

SERVICES.

AMOSCO offers the services of its Specialised Structure Engineers for consultations on any issue in respect to lifting equipment matters (construction of overhead cranes, offshore baskets, containers, gas racks etc.).

These services include the drawing(s) of items required; their supervision and control of manufacturing if needed as well as inspection and certification after realisation of the item(s).

AMOSCO will be pleased to submit a bespoke quotation on specific matters as and when necessary.