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MECHANIAL INSPECTION

The condition of any machine depends on how well it is maintained and the timely replacement of its wear, strategic and consumption parts. This requires expert knowledge and ensures that a Siwertell ship unloader operates efficiently, with the longest possible service life.Regular mechanical inspections, carried out by a certified, experienced specialist Siwertell surveyor, can efficiently and accurately assess its safety, condition and performance.

DESCRIPTION

Maintaining a Siwertell ship unloader in good condition is one of the keys to a safe, reliable and profitable operation. The purpose of an inspection is to highlight any problem areas or components not detected during regular maintenance, as well as to improve the overall operation.

Mechanical inspections are based on operator needs and the machine's condition. During an inspection visit, all essential unloader functions and movements are tested, along with sequences for the conveyor system. A review of any maintenance undertaken by the operator and the alarm history is also carried out, as well as an analysis of recurring alarms and trends.

Visual checks and an assessment of the mechanics, hydraulics and overall safety is covered during an inspection. Defects are noted, as well as potential issues in the future and comments on maintenance and operational issues may also be included. The surveyor will estimate the remaining service lifetime of installed wear parts, along with spare parts recommendations.

The inspection generates a full technical report and covers each part assessed and any requirements for special attention, maintenance, repair or upgrade. The description also includes recommendations for any further investigation, assistance or training needs. Mechanical inspections take an average of three days per unloader. They can also include optional extras such as a performance evaluation, which checks the unloader's current operational achievements against its design performance criteria and identifies potential improvements.

BENEFITS

- Planned maintenance is significantly cheaper than unplanned.
- Work is carried out by expert Siwertell surveyors.
- Wear and tear can be attended to effectively and ensures fewer breakdowns.
- Service labor and spare parts can be planned well ahead of critical replacement dates, which will reduce costs.
- Investing in an inspection is paid for even if only a few days downtime are avoided.
- Equipment performance is improved by ensuring that machine settings are optimal and that the highest possible unloading/loading capacity can be

maintained.
- The safety of the unloader is reviewed.

INSPECTION REQUIREMENTS

- Customers must ensure that critical areas are cleaned prior to the visual inspection as per OEM instruction; if any damage is evident, further cleaning during the inspection may be required
- Inspection covers needs to be opened; in preparation, this can be carried out prior to an inspection or during it
- Sky-lift with a 35m reach; to be arranged by the customer
- Personnel requirements: two mechanics, one operator, one Siwertell surveyor
- Specific Siwertell ship unloader tools, supplied when machine was delivered
- Safety and personal protective equipment; customers are required to ensure that their personnel have appropriate safety equipment