

MOSS LANDING POWER PLANT

BRACKETT BOSKER® RAKE REBUILD

Rebuild completed in 2 weeks

Ovivo OEM parts delivered in days

Original Brackett Bosker Raking Machine system in operation since 2000



THE CHALLENGE

In January 2016, the plant Senior Engineer and Maintenance Supervisor called the Ovivo Aftermarket team in an urgent need for a serviceman as the Brackett Bosker Raking Machine was in need of attention from 15 years of seawater service. The plant needed the system reliability restored as fast as possible so they can meet 'on demand' electrical requirements.

OVIVO'S SOLUTION

The plant had a two week window to complete the anticipated repairs (replace festoon cable/cable wagons, hoist shaft assembly and trolley hydraulic fittings/hoses). Ovivo dispatched a highly qualified Field Engineer onsite, only days after the original call from the plant. After a quick visual evaluation the system was in a worse condition than expected, after discussions with the plant, what was to be a routine repair turned into a major rebuild.

Fortunately, the plant had purchased the parts needed for the original repair following a site inspection done by Ovivo several years ago, but that was only one part of the solution. It was determined to replace all the motor reducer assemblies and the complete hydraulic unit., restoring the unit to an "as new" condition. These additional parts were needed within days to complete the project. The Aftermarket team put all the necessary resources to ensure a fast resolution to provide all the parts required on site in a timely manner.

Parts were pulled from the Ovivo inventory as available and expedited by our dedicated suppliers in the USA. Everyone worked together to expedite the ordering process and obviously shipping and extra labor.

This type of rebuild is usually done on a planned shutdown and requires advanced planning and organization from all parties to be involved. But thanks to the dedication of the Ovivo Aftermarket team, Round Rock facility, suppliers and collaboration of the plant maintenance people, what should have taken over a month was completed, tested and back online in 14 days.

SOME OF THE ITEMS REPLACED DURING THE REBUILD ON SITE

- Hoist assembly (hoist drums and hoist motor reducer)
- Hose reel assembly
- Hydraulic unit
- Trolley drives
- Gripper hoses
- Festoon cable wagons
- Festoon Cable
- Trolley hydraulic fittings/hoses
- Proximity switches
- Mechanical Limit Switches
- Hydraulic drum sprockets
- Nylon transfer gear

