

Mussel Spat Supplies battle with Salt Corrosion

Spat Supplies are one of the few companies in the world who collect wild green lipped mussel spat off the coast of New Zealand. To do this they use large loaders and drive these completely into the surf to collect the spat. This all has to be done with the utmost urgency when the tides, weather patterns and winds are all in the correct alignment. The starter motors on the loaders then fill with salt water which wrecks the wiring and bearings inside the starter. These starters have to be replaced after the collecting the spat as the old one is then useless and thrown away.



Solution

Remove and dis-assemble the starter before it enters the surf. Coat the inside of the starter liberally with Prolan Heavy grade spray and then reassemble. Because the Prolan is non-conductive to 70 000 volts there were no electrical issues after applying the coating. Prolan is a natural barrier and therefore creates an environmentally friendly solution.



The advantage of the Prolan Heavy grade liquid spray is:

- Easy to use biodegradable product that is a safe alternative for the environment where protection of our oceans and marine life has now become a global issue.
- The lanolin does not evaporate off or break down and forms a protective barrier against moisture and corrosion in harse conditions.



Results

- The starter continued functioning even when it was full of salt water!!
- These starter motors often give trouble during spat collection and are then a throw away item. There was no lost time due to a faulty starter.
- The starter motor on the loader worked fine during the collection of the mussel spat in the surf and for days afterwards.

Testimonial

Please read testimonial from Spat Supplies NZ and results by double clicking on the embedded file below.