

Case Study

NSD-X3 Stainless Coating



INDUSTRY

Food

PROBLEM

A soup company in central Victoria has product mixed a salt bath. A geared motor is required on the mixer.

The site was having issues with the short product life of the geared motor in such a corrosive, salty environment.

APPLICATION

Mixer

SOLUTION

BSC proposed the NORD SK12063 helical worm geared motor with 35mm Gripmaxx® taper grip hollow shaft coated in NSD-X3, NORD Severe Duty Extreme, coating.

The NSD-X3 coating is a polyurethane resin impregnated with 316 stainless steel applied with an etch primer and a clear top coat.

BENEFIT

The NSD-X3 coating provides improved protection in corrosive environments (salty, acid, or caustic) with no degradation in coating quality even after a 6 month soaking test in 3% salt water. The NSD-X3 is also chip-resistant with increase hardness of the coating due to the stainless steel.

The customer is enjoying the benefit extended product life, reduced production downtime and reduced maintenance costs due to the improved coating of the NORD geared motor.

