



PARTOUT PTY LTD A.B.N. 52 009 071 103

STATEWIDE BEARINGS



Case Study

Application: Bucket Elevator

Location: Mineral Sands Plant, WA

Problem: These photos were taken within hours of installation of the new DODGE ISN bearings. A constant build up of fine silica sand meant the old bearings were being changed out every 8-10 weeks. Even at installation it was impossible to keep this fine and very abrasive contaminant out, so even new bearings were contaminated before they even started turning.

Solution: Dodge ISN Bearings with Trident Seals

Part Number: P2B-ISN513-060MFR

Design: The Dodge Trident seal has 3 high contact sealing lips running directly on the bearing inner ring, the 4th lip runs against the chip shield forming a grease dam.

This is without doubt the best sealing set up available today.

Result: Bearings were quicker and easier to fit as the clearance is factory set. Also the Dodge unit is supplied with the bearing and seal already fitted in the housing, so there is no opportunity for the bearing to become contaminated at set up. As a final touch Sima automatic lubricators were fitted giving an steady supply of Castrol APXT grease directly to the rolling elements, keeping the grease dam full and the contaminants out. The final result is an expected bearing life of 6 months plus. If they can make it this long the cost savings will run into thousands of dollars\$\$\$.

