

# Case Study

# Blue Brute Bearing



## INDUSTRY

Recycled Aggregates & Sands

## PROBLEM

A leading South Australian crushing and waste recycling & processing company were experiencing issues with failed bearings. The main conveyor tail drum bearing assembly was the commonly used 'SN' type arrangement and failing every 3 months due to the ingress of contaminants – the operating environment is particularly harsh. Every 3 months production would stop for 2 hours whilst the failed bearings were replaced, and every 3 months had to purchase new bearing stocks.



## APPLICATION

Conveyor Tail Drum Bearing Assembly

## SOLUTION

BSC inspected the application and immediately identified this as one requiring the unique combination of a heavy duty unit with superb sealing capabilities. The answer was obvious – the Blue Brute QJMSN15J075S with Triple Lip sealing is designed for these conditions and has the added bonus of the seals running on the inner ring of the bearing (no wear on the tail drum shaft). When change-out is required the Brute's factory pre-set clearance turns a 2 hour job into 20 minutes.

## BENEFIT

The Blue Brute Bearings have now been in for 8 months, are operating perfectly, and are expected to last over two years. That'll be a minimum 8:1 success ratio.

