

# Integrated Reliability Solutions Pty Ltd

ABN 41112056505

**Customer:** Rio Tinto - Coal & Allied  
**Site:** Hunter Valley Operations-CHPP

**Drive #** - RC2 Conveyor  
**Power Rating** - 110 kW Drive  
**Coupling Size** - MagnaDrive FGC18.5S  
**Application** - Materials Handling- Conveyor  
**Capacity** - 1400 Tonnes/Hr

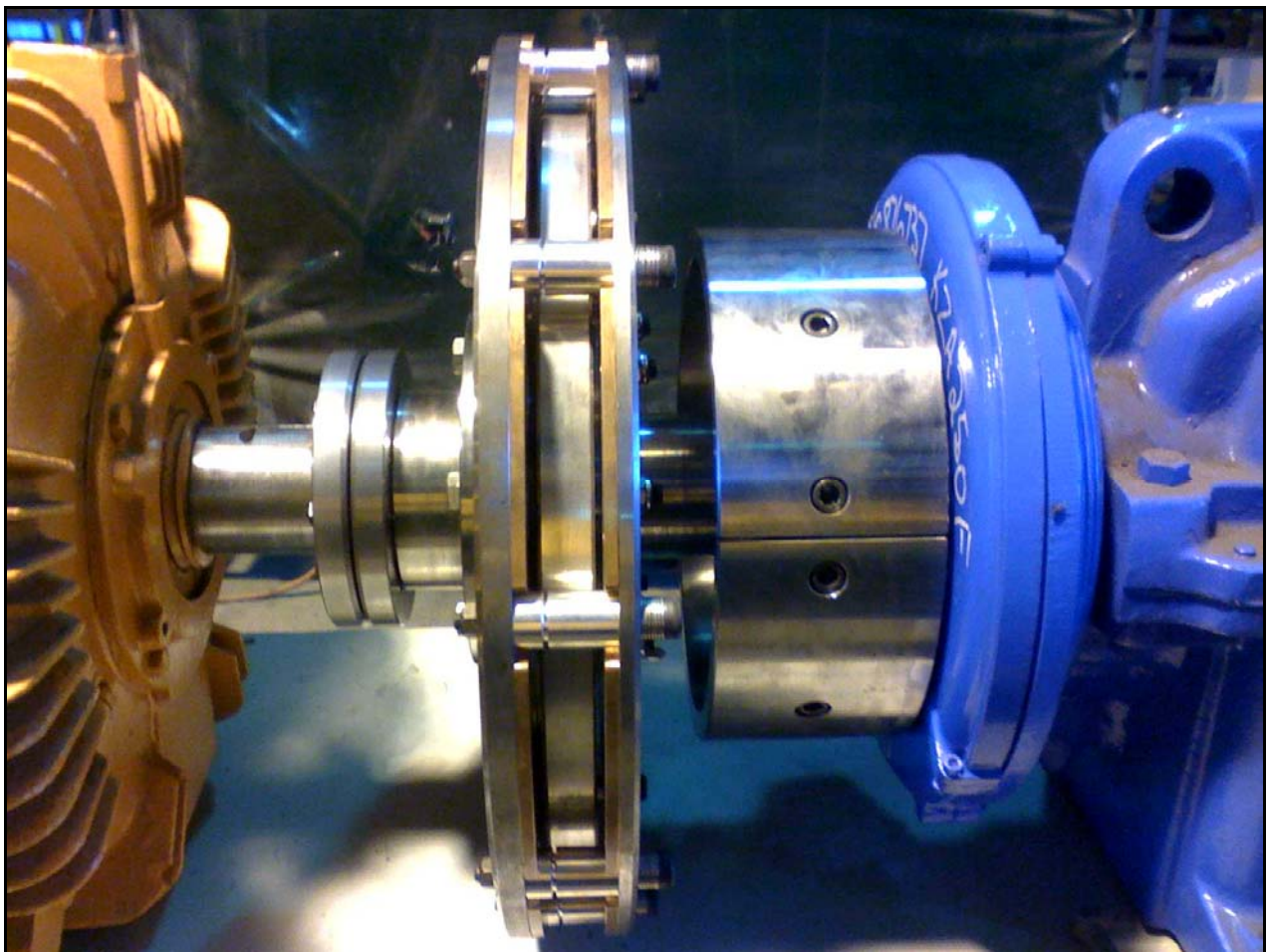
## Background

Due to increase demands on production and the need to standardise drive components (gearboxes in particular) this drive was upgraded from a 75kW motor to an 110kW.

The gearbox size was maintained as this size gearbox is standard across a number of conveyors reducing the need to carry additional spare parts.

Due to the gearbox input shaft diameter and the need to maintain a holding brake, the assemblies wait and overall length was a major consideration.

For these reasons we specified an FGC 18.5S coupling for this application as apposed to an MGD coupling.



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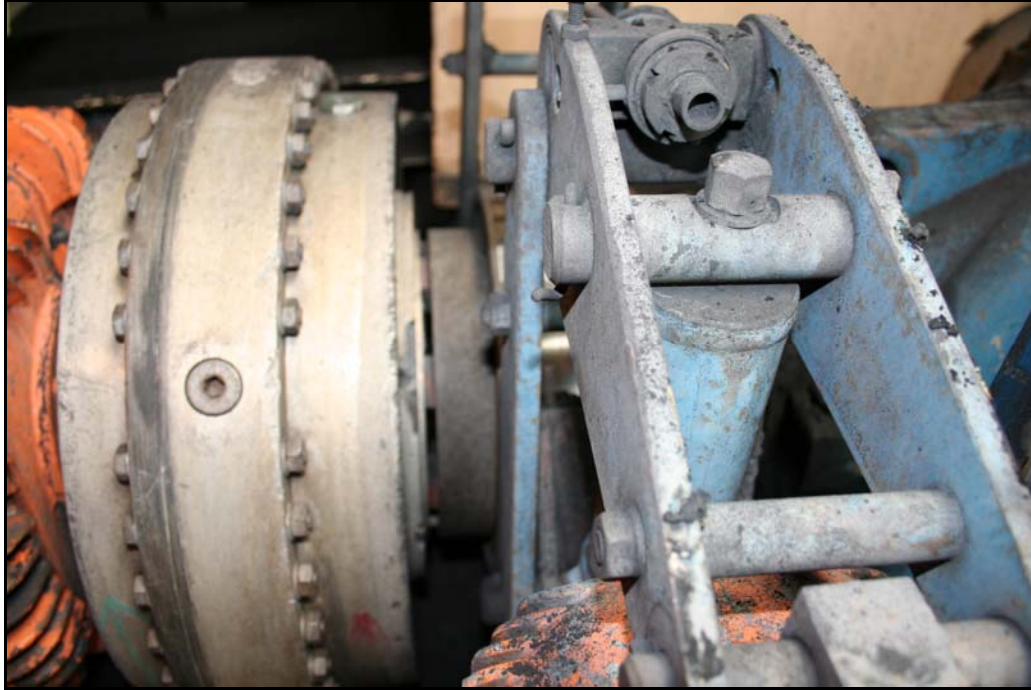
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## Before MagnaDrive



## The MagnaDrive Solution

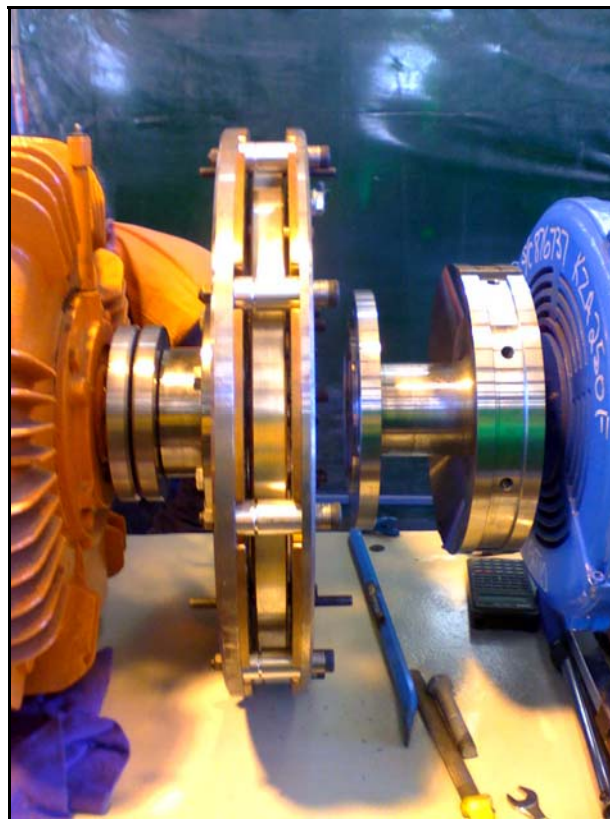


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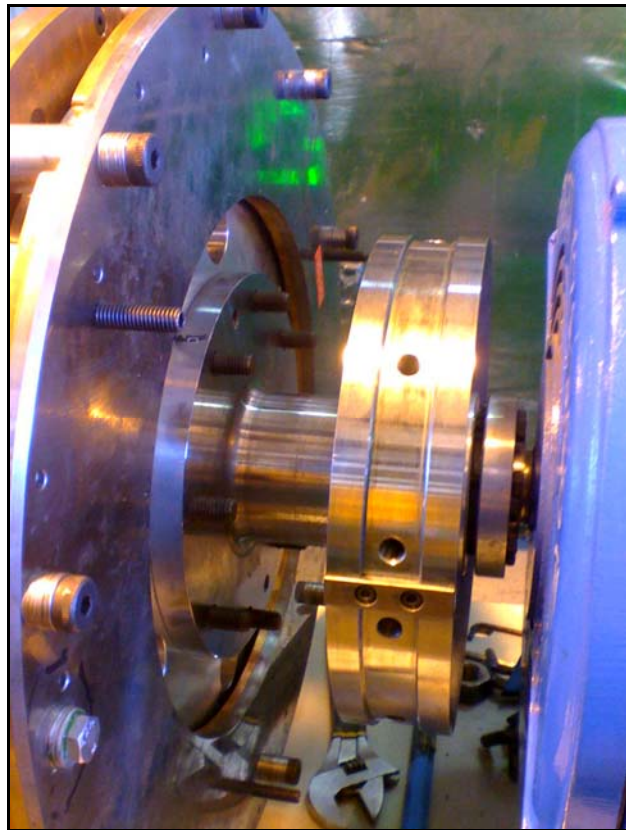
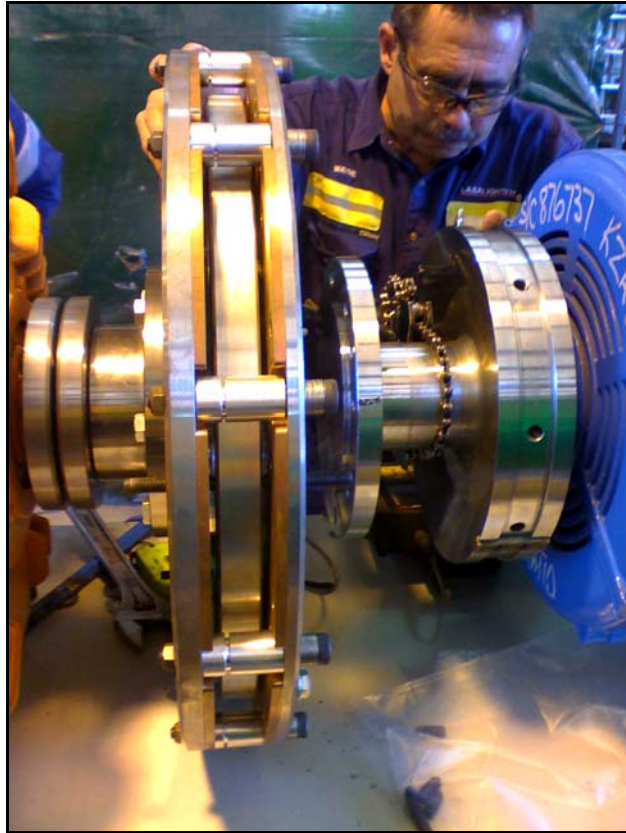
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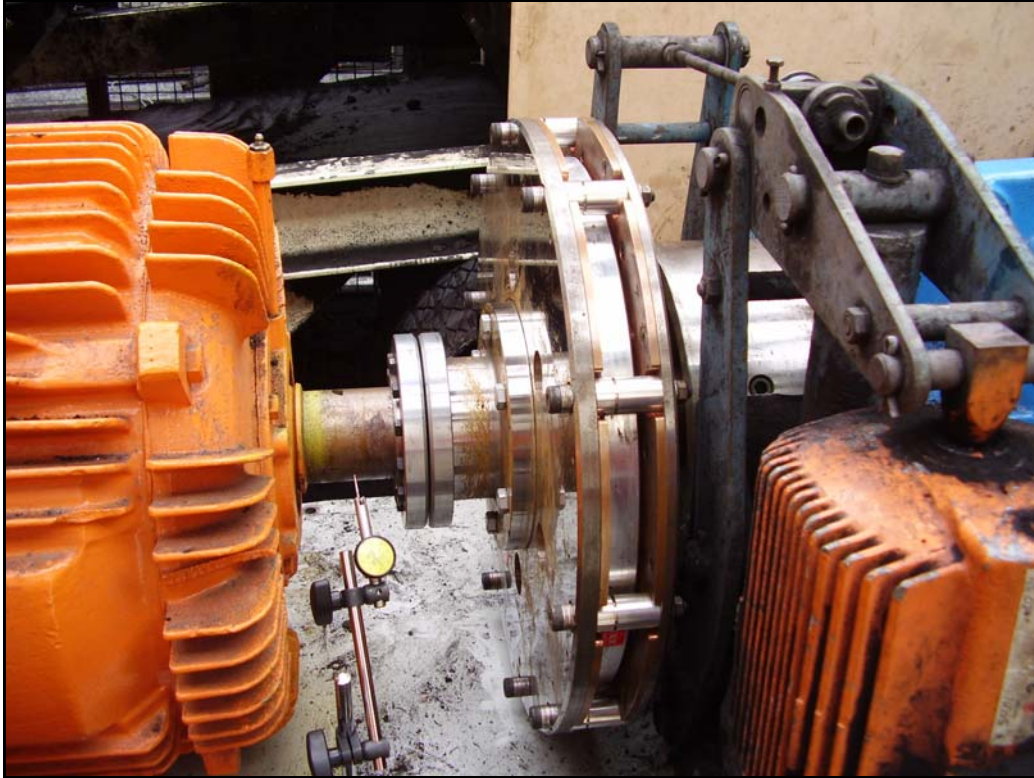


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