

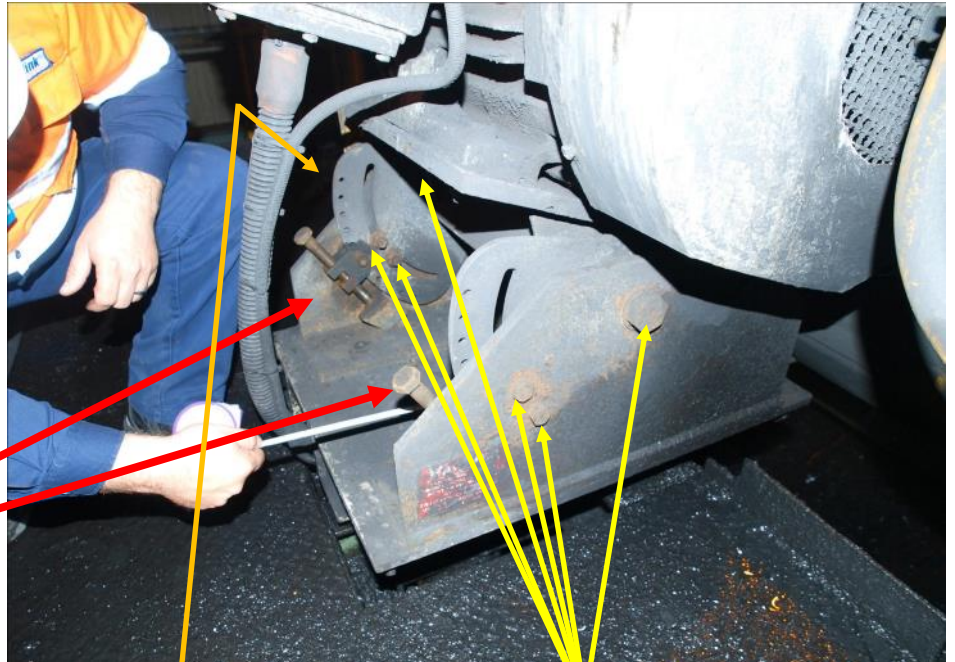
# A Case Study

## The Consequences of selecting the wrong Motor Base

Called by a mine to investigate the failure of a 45kW motor base on a vibrating screen drive, we found a relatively new unit of a type developed more than 25 years ago and entirely unsuitable for the application.

In addition to the premature failure the design required an Excessive Labour Cost to make adjustments.

*High corrosion was evident.*



**2 adjusting screws  
Open threaded & Corrosion**

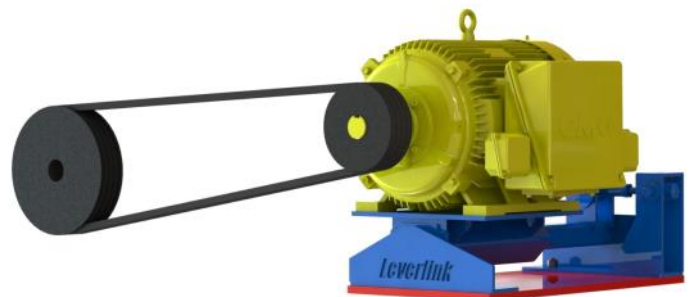
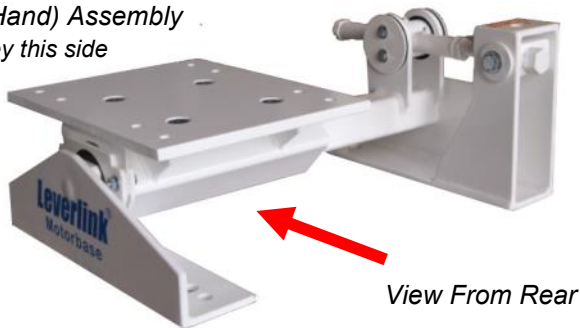
**Pinch Points**

**6 locking bolts  
& Corrosion**

## 100% Customer Satisfaction

**We replaced the failed motor base with a Leverlink LPST-5 Motor Base with a 5 year Warranty**

*LH (Left Hand) Assembly  
Drive Pulley this side*



**SAFETY**  
**Reliability**  
**Low Maintenance**



LLS-63-1015-01

*“ The selection of the correct Motor Base for a particular site or application should be based on the criteria below”*

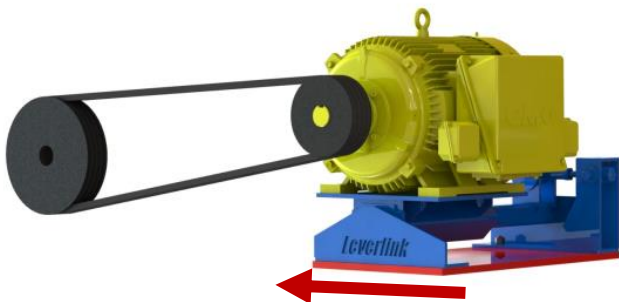
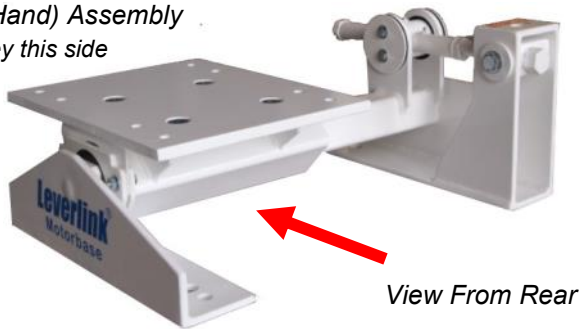
## **SAFETY**

## **Reliability**

## **Low Maintenance**

Leverlink’s 4G Series of **RTS** (Rubber Torsion Spring) Motor Bases were designed based on the **SRLM** (Safety, Reliability and Low Maintenance) philosophy.

LH (Left Hand) Assembly  
Drive Pulley this side



## **SAFETY**



VEE Belt Adjustment

- Clear of all Pinch Points.

## **Reliability**

A Five (5) Year structural and mechanical warranty.



## **Low Maintenance**



Tensioning Mechanism fully enclosed and lubricated. No seizers can occur.

**Changing and or Adjusting VEE Belts  
should be as simple as  
ONE, TWO, THREE**

**1.** Crack the locking nut.



**2.** Change or adjust the VEE belts.



**3.** Tighten the locking nut.

