

## SAMPLE REPORT ON LASER ALIGNMENT

Customer: Contactor

Site: Coal Mine

Contact: John Johnson

Date: 1<sup>st</sup> June 2007

Machine ID: **No. 1 Pump**

This report covers the laser alignment of the motor to pump shafts on the above machine at Coal Mine on Friday 1<sup>st</sup> June 2007, following the relocation of this pump.

A Rotalign, Serial No: 05961 was used. Contractor Order No: 123456 refers to our Job No: 1561.

Prior to alignment the soft foot condition of the motor and gearbox was checked and was found to be within tolerance.

From estimated operating temperatures thermal growth was calculated. This was included to ensure an alignment within tolerances at normal operating conditions. These "Hot" results are shown in the graphics and tabulation on the following pages.

The results of the alignments are attached and they indicate that when finally adjusted the shafts were within the range of tolerance for 3000 rpm machines.

for  
Lasalign Pty Ltd

Michael Anlezark

LASALIGN PTY LTD

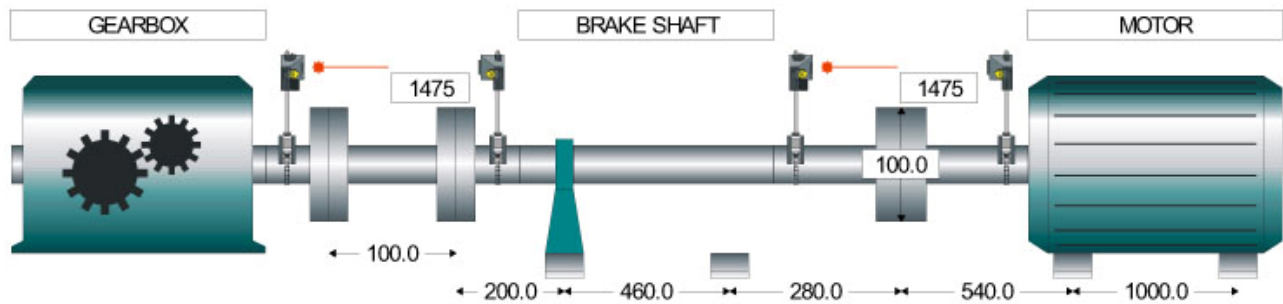
PRECISION ALIGNMENT SPECIALISTS



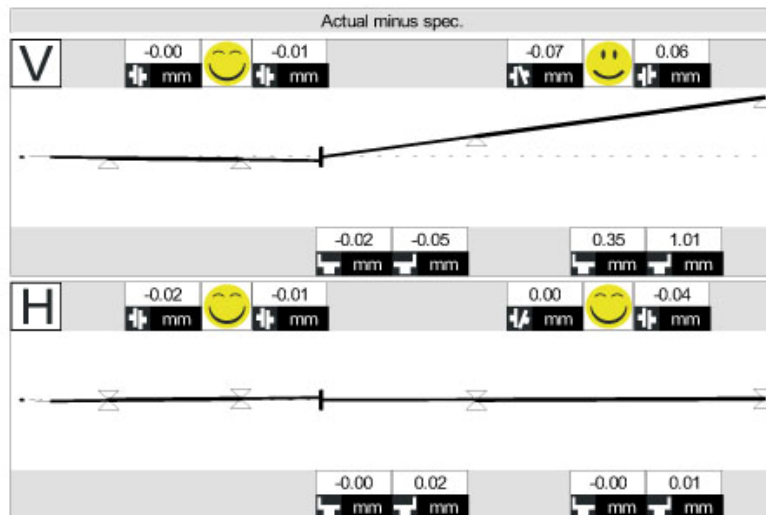
## File information

Filename: CONTRACTOR  
 Company: CONTRACTOR  
 Plant: COAL MINE  
 Area: HUNTER VALLEY  
 Machine Train: CONVEYOR DRIVE MODULE  
 Report comment: FINAL ALIGNMENT RESULTS  
 Username: LASALIGN PTY.LTD.

## Machine dimensions



## Train Results



Coupling results			
Coupling 1 - 2 :			
	Act.-Spec.	Actual	
Offset B vertical	-0.00	0.22	[mm]
Offset A vertical	-0.01	0.21	[mm]
Offset B horizontal	-0.02	-0.02	[mm]
Offset A horizontal	-0.01	-0.01	[mm]
Coupling 2 - 3 :			
	Act.-Spec.	Actual	
Gap vertical	-0.07	-0.07	[mm]
Offset vertical	0.06	-0.05	[mm]
Gap horizontal	0.00	0.00	[mm]
Offset horizontal	-0.04	-0.04	[mm]

Coupling targets			
Coupling 1 - 2 :			
Offset B vertical		0.22	[mm]
Offset A vertical		0.22	[mm]
Offset B horizontal		---	[mm]
Offset A horizontal		---	[mm]
Coupling 2 - 3 :			
Gap vertical		0.00	[mm]
Offset vertical		-0.11	[mm]
Gap horizontal		---	[mm]
Offset horizontal		---	[mm]

Tolerances			
Coupling 1 - 2 :			
Source: 50 Hz Table (spacer)	Acceptable	Excellent	
Offset B	0.12	0.07	[mm]
Offset A	0.12	0.07	[mm]
Coupling 2 - 3 :			
Source: 50 Hz Table (short flex)	Acceptable	Excellent	
Gap	0.07	0.05	[mm]
Offset	0.09	0.06	[mm]