



South West Pump & Drilling, Inc.
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March 24, 2025

EMAIL: jchabolla@coachella.org

Jesus Chabolla
Water Superintendent
City of Coachella – Water Division

RE: Well # 12 Facility B3 Pump - 100 HP Pressure Pump - Inspection Report

Initial Inspection:

During the initial job walk, it was observed that metal shavings were present on the side of the bearing, and shaft deflection was noted.

Findings upon Removal:

On the scheduled removal day, it was confirmed that the inner bearing had failed. Upon disassembly, it was determined that the bearing had disintegrated. The failure pattern was consistent with a lack of lubrication, though the bearing appeared to have been recently greased. Other potential contributing factors to the failure include misalignment with the motor.

Damages Identified:

- Inner bearing: Severely damaged
- Brass shaft sleeve: Exhibiting damage from contact with the case
- Wear ring: Showing uneven wear due to bearing failure
- Mechanical seal sleeves: Displaying an inconsistent wear pattern

Upon inspection of the pump, SWP&D has determined that the pump can be reconditioned.

The following pages include photographs and the Materials Needed Report. This pump, originally manufactured in 1988, is no longer available as a complete unit. However, replacement parts for this model are still accessible.

If you should have any questions, or require additional information, please contact us at any time.

Sincerely,

Deena Myrvold

South West Pump & Drilling, Inc.
Deena Myrvold, Inside Sales



MATERIALS NEEDED / RECOMMENDED FOR REPAIRS

JOB NAME City of Coachella - Water Div. JOB NO.: #25-02-03
Well # 12 Facility B3 Pump - 100 HP Pressure Pump DATE: March 21, 2025

DESCRIPTION OF WORK

Remove & Inspect to Quote

DATE	QUANTITY	LIST REPLACEMENT AND / OR ADDITIONAL MATERIAL / PARTS NEEDED	STOCK	NEW
	2	Mechanical Seals		X
	2	Mechanical Seal Glands		X
	1	Shaft Sleeve		X
	1	Shaft Sleeve Keyed		X
	2	Shaft Sleeve O-Ring		X
	2	Set Screws		X
	1	Shaft Sleeve Nut		X
	2	Water Deflector		X
	1	Casing Gasket		X
	2	Bearings		X
	*	Other Misc Supplies Required	X	
	2	Impeller Wear Rings - Material & Labor by SWPD	X	
		(to be fabricated by SWPD machine shop)		

PRINT YOUR NAME HERE

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