



# RELIABILITY MATRIX

1- CRITICAL
2- DEFECTS ARE IN MODERATE STAGES
3 - DEFECTS MAY BE PRESENT
4 - LEVELS ARE ABOVE NORMAL
5 - NORMAL

NO DATA COLLECTED
NOT ON ROUTE

## PDM TECHNOLOGY

DATE OF LAST DATA	VIBRATION ANALYSIS	OIL ANALYSIS	ULTRASOUND	INFRARED	Unit Number	COMMENTS AND FINDINGS	RECOMMENDED ACTION	OVERALL PRIORITY LEVEL	PAGE #
1/17/14					SOUTH RECIRC BLOWER	ALL DISCIPLINES SUGGEST THIS MOTOR HAS AN OUTER RACE BEARING DEFECT IN ADVANCED STAGES.	PREPARE TO CHANGE THE MOTOR AT SHORT NOTICE. MONITOR FREQUENTLY TO ESTABLISH WEAR TREND.	PRIORITY 2	5
1/17/14					CLOSED COOLING H2O FIN FAN H	ELEVATED VIBRATION SUGGESTS RESONANCE, IMBALANCE, OR RUNOUT MAY BE PRESENT.	BALANCE FAN. ENSURE SHEAVE ALIGNMENT IS WITHIN TOLERANCES. INSPECT SUPPORT COMPONENTS FOR LOOSENESS.	PRIORITY 3	6
1/17/14					COMPRESSOR C-1 EAST	A DEFECTIVE CONDITION WITHIN THE ROTOR MAY BE DEVELOPING.	MONITOR MONTHLY.	PRIORITY 3	8
1/17/14					AMINE BOOSTER P-501-1A	PUMP BEARING DEFECT IN MODERATE STAGES. ELEVATED HIGH FREQUENCY ULTRASOUND AND WEAR METALS NOTED IN OIL ANALYSIS.	MONITOR MONTHLY. ENSURE SPARE BEARINGS ARE IN STOCK.	PRIORITY 3	9
1/17/14					UNIT 7 CIRC. PUMP B	THIS UNIT HAS AN INCREASE AT VANE PASS THAT COULD BE AN EARLY INDICATION OF PUMP WEAR. THIS COULD BE FLOW RELATED.	MONITOR MONTHLY.	PRIORITY 4	10
1/17/14					BOILER FEEDWATER PUMP 6B	MINOR ELEVATED ULTRASOUND DATA MAY INDICATE POOR LUBRICATION IS DEVELOPING. LOW OIL VISCOSITY.	PERFORM A BLEED AND FEED OF OIL TO RETURN VISCOSITY TO NORMAL. ENSURE ALL BEARINGS ARE PROPERLY LUBRICATED.	PRIORITY 4	11
1/17/14					COMPRESSOR C-1 WEST	THIS MACHINE IS RUNNING AT ACCEPTABLE LIMITS.	MONITOR NORMALLY.	PRIORITY 5	12