



# PRECISION DRIVE & CONTROL, INC.

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## ABC Company Vibration analysis and condition report

### Priority Codes

- 1 Alarm - Rush Priority - needs maintenance
- 2 Warning - Schedule maintenance
- 3 Good - no work needed at this time
- 4 Baseline - restarting trend
- 5 Not running or readings not taken

Room	ID#	Description	Oct 20	Dec 6	Jan 10	Feb 14	Mar 16	Comments
Process	P-330	Ferm 1	3	3	3	3	3	
Process	P-335	Ferm drain pump	5	5	5	5	5	
Process	P-310	Ferm 2	3	3	3	3	3	
Process	P-315	Ferm drain pump	5	5	5	5	3	
Process	P-300	Ferm 1	3	3	3	3	3	
Process	P-320	Ferm 3	3	3	3	3	3	
Process	P-325	Ferm drain pump	5	5	5	5	5	
Process	P-360	Beer feed pump	3	3	3	3	3	
Process	B-1	CO2 blower	2	3	2	2	2	replace pump bearings
Process	P-370	Yeast pump	3	3	3	3	3	
Process	P-993	Acid wash pump	5	5	5	5	3	
Process	P-1063	Meth Product	3	3	3	3	3	
Process	P-1101	Process Sump 1	5	5	5	5	5	
Process	P-1102	Process Sump 2	5	5	5	5	5	
Process	P-957	CIP makeup	5	5	5	5	5	
Process	P-212	Flash vessel pump	3	3	3	3	3	
Process	P-216	Liquid pump	3	3	3	3	3	
Process	P-950	CIP supply	5	3	5	5	5	
Process	P-951	CIP ferm	3	5	5	5	3	
Process	P-205	Slurry pump	3	3	3	3	3	
Process	P-967	Boiler feed	3	3	3	3	3	
Process	P-966	Boiler feed	3	3	3	3	3	
Process	P-418	Evap Condensate	3	3	3	3	3	
Process	P-408	Steam Cond pump	3	3	3	3	3	

Room	ID#	Description	Oct 20	Dec 6	Jan 10	Feb 14	Mar 16	Comments
Process	Syrup Pump	Syrup pump	3	3	3	3	3	
Process	P-422	Evap drain pump	5	5	5	5	3	
Process	P-401	Evap pump	3	3	3	3	3	
Process	P-416	Evap pump	3	3	3	3	3	
Process	P-402	Evap pump	3	3	3	3	3	
Process	P-414	Evap pump	3	3	3	3	3	
Process	P-403	Evap pump	3	3	3	3	3	
Process	P-412	Evap pump	3	3	3	3	3	
Process	P-404	Evap pump	3	3	3	3	3	
Process	P-410	Evap pump	3	3	3	3	3	
Process	PU-1225		3	3	3	3	3	
Process	P-464	upstairs/Nash	5	2	5	5	5	
Process	P-465	upstairs/Nash	3	5	2	3	3	
Process	P-205A		3	2	2	2	5	pump being replaced

Distillation	P-961	Well water pump	5	5	5	5	5	
Distillation	P-962	Well water pump	3	3	3	3	3	
Distillation	P-939	RO product pump	3	3	3	3	3	
Distillation	P-440	Beer bottoms pump	3	3	3	3	3	
Distillation	P-450	Rectifier pump	3	3	3	3	3	
Distillation	P-430	Side stripper pump	3	3	3	3	3	
Distillation	P-460	Reflux pump	3	3	3	3	3	
Distillation	P-476	Regen pump	3	3	3	3	3	
Distillation	P-486	200 product pump	3	3	3	3	3	
Distillation	PU-1701	Hot water lube pump	3	3	3	3	3	
Distillation	P-202	Meth feed pump	3	3	3	3	3	
Distillation	P-200	Cook water pump	3	3	3	3	3	
Distillation	PU-1803	Dryer vapor cond pump	5	5	5	5	5	
Distillation	P-600	Evap feed pump	3	3	3	3	3	
Distillation	PU-1226	Lite Centrate pump	3	3	3	3	3	
Distillation	PU-561	Clarifier wash	5	5	5	5	5	
Distillation	P-500	Centrifuge feed	3	3	3	3	3	
Distillation	P-625	Syrup loadout	5	5	5	5	5	
Distillation	P-620	Syrup loadout	3	3	3	3	3	
Cooling Tower	M-941	Vert well pump	3	3	3	3	3	
Cooling Tower	M-942	Vert well pump	3	3	3	3	3	
Cooling Tower	M-943	Vert well pump	3	3	3	5	5	
Cooling Tower	CT-1	fan drive motor north	3	5	3	3	3	
Cooling Tower	CT-2	fan drive motor	3	3	3	5	3	
Cooling Tower	CT-3	fan drive motor	3	5	3	3	3	
Cooling Tower	CT-4	fan drive motor south	3	3	3	3	5	

Room	ID#	Description	Oct 20	Dec 6	Jan 10	Feb 14	Mar 16	Comments
Energy	B-910	TO	3	3	3	3	3	
Energy	P-550	Centrate pump	3	2	2	2	2	replace motor bearings
Energy	Air Tech	Air tech blower	3	3	3	3	3	
Energy	Dryer A	Dryer A motor/gearbox	3	3	3	3	3	
Energy	B-749A		3	3	3	3	3	
Energy	B-751a		3	3	3	3	3	
Energy	B-749B		3	3	3	3	3	
Energy	B-751B		3	3	3	3	3	
Energy	Dryer B	Dryer B motor/gearbox	3	3	3	3	3	
Energy	M-744B		3	3	3	3	3	
Energy	E510	Centrifuge west (1)	3	3	3	3	3	
Energy	E520	Centrifuge (2)	2	2	2	2	2	replace motor bearings
Energy	Fluid Quip	Centrifuge (3)	3	3	3	3	3	
Energy	Centrisys CF1802B	Centrifuge (4)	2	2	2	2	2	Motor bearings and balance motor & pulley
Energy	Centrisys CF1802C	Centrifuge east (5)	2	2	2	4	3	new motor
Energy	C-570		3	3	3	3	3	
Energy	C-574		3	3	3	3	3	
Grains	Reclaimer	DISA reclaimer	2	2	2	2	2	Replace motor bearings
Grains	Hammermill 1	Hammermill west	3	3	3	3	3	
Grains	Hammermill 2	Hammermill east	3	3	3	3	3	grease mill bearings
Grains	Bl-1808	next to DISA	5	5	5	5	5	
Grains	Reclaimer	next to DISA	3	5	3	3	5	
Tank Agitators	A1		3	3	3	3	3	
Tank Agitators	A2		3	3	3	3	3	
Tank Agitators	A3		3	3	3	3	3	
Tank Agitators	A4		3	3	3	3	3	
Tank Agitators	A5		3	3	3	3	3	
Tank Agitators	pump below	below scaffolding by agitators	3	3	3	3	3	
Tank Farm	P-865		5	5	5	5	5	
Tank Farm	P-860		5	5	5	5	5	
Tank Farm	P-885		5	5	5	5	5	
Tank Farm	P-875	Ethanol loadout	3	3	5	5	5	

Room	ID#	Description	Oct 20	Dec 6	Jan 10	Feb 14	Mar 16	Comments
Outside pad	FN-1801		3	3	3	3	3	
Outside pad	FN-1802		3	4	3	3	3	
Outside pad	FN-1806		5	4	3	3	3	
Outside pad	BL-1804		3	3	3	3	3	
Outside pad	BL-1803		3	3	3	3	3	balance pulley
Outside pad	BL-1806		5	5	5	5	5	
Outside pad	BL-1101		5	5	5	5	5	
Outside pad	FN-1807		3	3	3	2	2	replace fan bearings and check belts
Outside pad	ME-1801		5	3	3	3	3	
Outside pad	MX-1801		3	3	3	3	3	
Outside pad	RV-1801		5	3	3	3	3	
Outside pad	CV-1805		3	3	3	2	2	replace motor bearings
Outside pad	CV-1802		3	3	3	3	3	
Outside pad	CV-1803	Baldor 2HP	3	3	3	3	3	
Post Process Bldg	PU-1205A	Corn heater recirc pump	3	3	3	3	3	
Post Process Bldg	PC-1233	Reflex pump	3	3	3	3	3	
Post Process Bldg	PU-1213	RM deck overflow/clar FD pump	3	3	3	3	3	
Post Process Bldg	PU-1232	Fiber transfer pump	2	2	2	2	2	replace motor brgs-service motor, balance
Post Process Bldg	PU-1802	Oil loadout pump	5	5	5	5	5	
Post Process Bldg	PU-1224	DSM tank	2	2	2	2	2	replace motor bearings
Post Process Bldg	PU-1221B	Liq pump	3	3	3	3	3	
Post Process Bldg	PU-560	heavy syrup	3	3	3	3	3	
Post Process Bldg	PU-1221A	Evap return	3	3	3	3	3	
Post Process Bldg	PU-1207	Liq recirc pump	3	3	3	3	3	
Post Process Bldg	CF-1201	clarifier	3	3	3	2	2	replace motor bearings
Post Process Bldg	CF-1202	clarifier		4	3	3	3	
Post Process Bldg	CF-510		2	2	2	2	2	replace motor bearings
Post Process Bldg	CF-550		2	2	2	2	2	replace motor bearings
Post Process Bldg	CF-540		2	2	2	2	2	replace motor bearings
Post Process Bldg	CF-530		2	2	2	2	2	replace motor bearings
Post Process Bldg	Oil Tricanter A	75HP	2	3	3	3	3	
Post Process Bldg	Oil Tricanter B	75HP	2	3	3	3	3	
Post Process Bldg	Oil Tricanter A	20HP	3	3	3	3	3	
Post Process Bldg	Oil Tricanter B	20HP	3	3	3	3	3	
Post Process Bldg	SC-1215A		5	3	3	3	3	
Post Process Bldg	SC1215B		3	2	2	2	3	grease paddle bearing
Post Process Bldg	SC-1216		3	5	3	3	3	
Post Process Bldg	PU-1203B	Baume control pump	5	5	5	5	5	
Post Process Bldg	PU-1231	Fiber Blow Down Pump	3	3	3	3	3	
Post Process Bldg	PU-1204	Germ wash water pump	2	2	2	2	2	replace pump bearings
Post Process Bldg	PU-1209	Fiber Wash Feed Pump	2	2	2	2	2	replace motor bearings