MacAllister Power System
Level 2 Inspection

Workorder: IG20524

Eng. Make:	AA	Model:	3406	Serial No.:	04PM00284	Arr. No.:	
Unit Desc.:	Plant 8			Eng. Hours:	260	Ins. Date:	2014-05-13

Customer Information (6179725)

Setech - GM Component Holdings
Bo McKinney
2100 E. Lincoln Blvd.
Kokomo, IN
46902

Site Information

Name:	Setech - GM Component Holdings
Address:	2100 E. Lincoln Blvd.
City,State:	Kokomo, IN
Zip Code:	46902
Phone:	765-451-7099

Inspection Codes: A = Satisfactory, B = Unsatisfactory, C = Not applicable, D = Corrective Action Taken

CONTROL PANEL

A	B	C	D	
√				1. Visually check all accessible connections as necessary.
√				2. Check indicator lights for defective bulbs and LED's.
√				3. Check fuses and relays.
√				4. Recorded logged faults.

Comments

STARTING SYSTEM

A	B	C	D	
√				1. Inspect tightness of battery cable connection.
√				2. Note cleanliness of starting batteries, terminals and cables.
√				3. Check battery electrolyte level.
√				4. Check battery charging equipment for proper operation.
√				5. Clean battery terminals and connections.

Comments

NiCad (Not Applicable)

Total Volts Total Cells

1	2	3	4	5	6	7	8	9	10
20	19	18	17	16	15	14	13	12	11

GENERATOR

A	B	C	D	
√				1. Check Generator line leads, visually check windings.
		√		2. Check slip rings and brushes (if applicable).
√				3. Visually check exciter diodes and windings.
√				4. Check DC wiring in generator bell (Engine wiring).
		√		5. Annually lubricate generator bearings (if needed).
		√		6. Fire Pump Inspection.

Comments

FUEL OIL DAY TANK

A	B	C	D	
☐	☐	☑	☐	1. Check electrical connections as necessary.
☐	☐	☑	☐	2. Check Accessible piping and tanks for leaks.
☐	☐	☑	☐	3. Check operation of day tank pumps and/or float added.
☐	☐	☑	☐	4. Drain day tank sediment (if equipped with drain).
☑	☐	☐	☐	5. Tank Level: 3/4

Comments

COOLING SYSTEM

A	B	C	D	
☑	☐	☐	☐	1. Check Radiator core for leaks or Heat Exchanger.
☑	☐	☐	☐	2. Check filler cap and gasket.
☑	☐	☐	☐	3. Check concentration of coolant conditioner. 1200 ppm, Type: ELC
☐	☐	☐	☑	4. Check coolant level.
☑	☐	☐	☐	5. Check coolant freeze protection. Temp freeze protection: -32 deg. F
☐	☐	☑	☐	6. Replace water separator element (3208).
☐	☐	☑	☐	7. Add coolant conditioner.

Comments

ENGINE

A	B	C	D	
☑	☐	☐	☐	1. Engine lube oil level.
☐	☐	☑	☐	2. Governor oil level.
☑	☐	☐	☐	3. Engine wiring and electrical connections.
☑	☐	☐	☐	4. Check fuel line and fittings for leaks and any other damage.
☑	☐	☐	☐	5. Check for coolant leaks on engine and coolant piping.
☑	☐	☐	☐	6. Check coolant hoses for deterioration.
☑	☐	☐	☐	7. Check operation for block heater.
☑	☐	☐	☐	8. Check air cleaner seal piping and element.
☑	☐	☐	☐	9. Check fan belt condition (if applicable).
☑	☐	☐	☐	10. Take lube oil sample.
☐	☐	☑	☐	11. Lubricate/Grease fan hub if applicable.
☐	☐	☑	☐	12. Clean primary fuel filter (diesel).
☑	☐	☐	☐	13. Change fuel filters (diesel).
☐	☐	☑	☐	14. Clean the engine crankcase breather or rebuild the pvc diaphram (3208).
☑	☐	☐	☐	15. Lubricate governor linkage.
☑	☐	☐	☐	16. Change lube oil and filters.
☑	☐	☐	☐	17. Cut open old filter and inspect for foreign material.

Comments

OPERATIONAL TESTING

A	B	C	D	
√				1. Start engine and check for leaks, noises, vibrations.
√				2. Check louver operation.
√				3. Check operation of all safety devices: water temp, oil pressure, overspeed, overcrank,
				Other:
√				4. Check operation of crankcase breather.
√				5. Check crankcase blowby.
√				6. Observe exhaust gas for clarity and evidence of wet stacking.
		√		7. Visually check automatic transfer switches near generator room.
		√		8. Perform ATS Inspection.

Comments

ENGINE TEST DATA (if permitted by Customer)

ENGINE	Start	15 Minutes
Water Temp:	134	162
Oil Pressure:	67	64
Fuel Pressure:	N/A	N/A
GENERATOR		
Voltage PH1:	490	490
PH2:	490	490
PH3:	491	491
Amperes PH1:	0	0
PH2:	0	0
PH3:	0	0
Frequency:	60.0	60.0
Kilowatt:		

BATTERY CHARGER	Prior to Crank	Cranking Start	Crank 20 secs	Recovery
Voltage:	26			23
Amperes:	.8			10.5
BATTERY				
Hydrometer Test:	N/A	N/A	N/A	N/A
STARTER				
Voltage:			26	
Amperes:			280	

AUTOMATIC START LOAD TRANSFER (Not Applicable)

Time Delay for Start Signal: 0 seconds

Time Engine takes to start and pick up load: 0 seconds

Total: 0 seconds

AUTOMATIC RETRANSFER AND ENGINE STOP SIGNAL (Not Applicable)

Time from Normal Restoration to Retransfer: 0 minutes

Unload running time: 0 minutes

Total: 0 minutes

- [x] Verify Generator in automatic position.
- [x] Verify Breaker On.

Comments

all looks good at this time.

Customer Representative

Name: maintance manager

Title: maintance manager

Signature

MacAllister Power System

Name: Joshua Kincaid

Title: Field Teck

Signature

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