



All Generator Solutions Inc.

Your Standby System Specialist

24 hour Service

8703 53 Ave NW

Edmonton, AB T6E 5E9

780-920-9672

75

Customer	CP services	CSA 282 Annual Inspection
Site	Korby south camp	02
WO#	4830	Unit Hours Start; 256.4 Finish; 258.5
Date	Sept 21, 2022	Unit SN 37248147 Model QST30-65 Cummins

Engine- Lubricating System

P/F/NA	Checks	Notes
P	Check for leaks	
P	Oil Level	
P	Change oil	
P	Change oil filters	
NA	Check Hydraulic Governor	
P	Take oil sample	
P	Change Hydraulic Governor Oil	

Fuel Systems

P/F/NA	Checks	Notes
P	Leaks	
P	Fuel lines and Connections	
P	Tank breathers	
P	Change Engine Fuel Filters	
P	Fuel Level Day Tank	1/2 full
NA	Fuel Level Main Tank	
NA	Fuel Transfer Pump	
NA	Water Separator	
NA	Change tank filter	
P	Drain Condensation traps	
P	Take Fuel Sample	
P	Fuel Valves are Open	
P	Clear and Bright Test	

Generator Air System

P/F/NA	Checks	Notes
P	Leaks, Cracks, Damage	
P	Air Cleaner Restriction	
P	Check Air cleaner Elements	good condition
P	Crankcase Breather Element	

Generator Exhaust System

P/F/NA	Checks	Notes
P	Leaks, Cracks, Damage	
P	Exhaust Restriction	
P	Condensation Trap	
P	Crankcase Breather Element	

Engine- Cooling System

P/F/NA	Checks	Notes
P	Check for leaks	- 3/8 hose barbed to N ^o 11 female swivel #4 by 1/4 IPT fitting
P	Coolant Level	122 F° as found Topped up
P	Coolant Additives	upper rad hose damage - 2 3/8" Ø (left side) @ 3/8"
P	Change Coolant Filter	
P	Check and Grease Fan Hub	- Rad has signs of leaking on left hand side Top rad tank. Tightened all bolts on top rad tank, no leakage during load test. Customer should monitor.
P	Check Belt Condition Tension	
P	Hoses and deairation line	
P	Take Sample	
P	Check building Hvac System	

Engine Electrical System

P/F/NA	Checks	Notes
P	Check Batteries and Cables	2 x 8D-1400 No dated
P	Check Battery Charging system	
P	Clean and inspect Battery posts	
P	Check Battery fluid level	maintenance free / indicator green
P	Load test battery carbon pile	10.50 Vdc @ 500 Amps
P	Float equalize operation	(1) 26.2 Vdc @ 0.5A (2) 26.2 Vdc @ 0.2A

Generator

P/F/NA	Checks	Notes
P	Check Air Inlet and Fan	
NA	Grease Bearings	
P	Check Surge Suppressor	
P	Check Rectifier	
P	Inspect Stator & Rotor Winding	
P	Check temperature at full load	
P	Check AVR	
P	Inspect Electrical Connections	visual only

Automatic Transfer Switch

P/F/NA	Checks	Notes
	Inspect General Condition	
	Perform Infrared & record temp	- No automatic transfer switch. Manual start & transfer to generator.
	Inspect Contacts	
	Perform Transfer	
	Check Gen start contacts	
	Lubricate Mechanism	
	Load Conductor Terminations	
	Remove Dust & Debris	
	Controller Condition	
	Load Conductor Condition	
	Enclosure Condition	
	Clean & Dress Contacts	
	Operate Moving Parts	

Operation

P/F/NA	Checks	Record Value
	Start Time Delay (secs)	
	Engine to Rated RPM (secs)	
	Time to Load Transfer (secs)	No transfer this time
	Oil Pressure	
	Coolant Temperature	
	Ambient Temperature	

Alarms

P/F/NA	Checks	Notes
P	Low oil pressure	} Electronic controller
P	High Engine Temperature	
P	Low Engine Temperature	
P	Overspeed	
P	Battery charger Fail	
P	Overcrank	

Time	Volts				Amps			Load KW	Hz	Oil psi	Coolant T	Amb T	Room T
	A-B	B-C	A-C	A	B	C							
0:00	600	600	600						60.1	70	115		
0:15	596	596	596	945	965	951	1000		60.0	55	169		
0:30	597	596	596	950	966	964	1000		60.0	53	169		
0:45	597	596	596	952	966	965	1000		60.0	55	169		
1:00	597	596	596	952	966	965	1000		60.0	53	169		
1:15	597	596	596	952	966	964	1000		60.0	54	169		
1:30	597	596	596	952	966	664	1000		60.0	53	169		
1:45	597	596	596	952	966	664	1000		60.0	54	169		
2:00	597	596	596	952	966	664	1000		60.0	54	169		

CSA 282	Pass	Fail
Unit is in Auto	<input checked="" type="checkbox"/> Not in Auto	
Technician	Print <u>Mehoui</u>	Sign <u>ehd</u>
Customer	Print	Sign