



Cummins Power Generation
Cummins Northeast, Inc.

Sales/Service Record

INITIAL START-UP, SYSTEM CHECKOUT AND TEST RECORD

Date: 1/6/11

Sold To: _____

Owner's Name: U.S.M. C SCIENCE BLDG

Address: _____

City, State ZIP: _____

Generator Model: 125 DSNAB

Serial No.: G110232289

Transfer Switch Model: BTPL 400

Serial No.: F110226439 Serial No.: 125 F110226363

Engine Model: QSLP

Serial No.: _____

Initial Start-Up Date: 1/6/11

Type Fuel: DIESEL

(Natural Gas, LPG Vapor, LPG Liquid, Diesel)

Type of Installation: INDOOR'S

(Indoor/Outdoor)

Type of Cooling: RADIATOR

(Radiator, City Water Heat Exchanger, City Water Standpipe,

City Water Direct, Remote Radiator)

USM ORIGINAL 20356

Oil System

- Check level

Fuel System

- | | | | |
|-------------------------------------|---|--------------------------|--|
| <input type="checkbox"/> | LPG gas | <input type="checkbox"/> | Day tank |
| <input checked="" type="checkbox"/> | Manual shut off valve | <input type="checkbox"/> | Fuel transfer pump |
| <input type="checkbox"/> | Primary gas pressure regulator | <input type="checkbox"/> | Day tank float switch wired to fuel transfer pump (A.C. or D.C.) |
| <input type="checkbox"/> | Dry fuel strainer | <input type="checkbox"/> | Diesel fuel solenoid valve (if required) |
| <input type="checkbox"/> | Gas solenoid valve | <input type="checkbox"/> | Diesel fuel available |
| <input type="checkbox"/> | Flexible fuel connection | <input type="checkbox"/> | Bleed diesel |
| <input type="checkbox"/> | Gas available | | |
| <input checked="" type="checkbox"/> | Diesel | | |
| <input checked="" type="checkbox"/> | Flexible fuel connections (Supply & Return) | | |

has 2-330 gal fuel

Exhaust System

- Seamless tubing
- Exhaust condensation trap
- Muffler
- Correct exhaust piping size
- Long-radius exhaust elbows
- Exhaust thimble

OK
31" H₂O Restriction

Cooling System

- Radiator cooling
- Check level
- Proper exhaust ventilation duct & opening
- Proper inlet ventilation opening
- City water cooling: _____ Standpipe _____ Heat exchanger _____ Direct
- Flexible water lines
- Water solenoid valve
- Water Available

OK

Low water
See Photo's

Mounting

- Secured to level surface
- Vibration isolators installed correctly

ADJ ISO VIBRO.

Engine

- Inspect belt, fan, alternator & governor

Battery

- Proper battery size
- Electrolyte
- Correct polarity
- Isolated from floor

2 groups 78
12VDC

Electrical

- Engine water jacket heater wired to normal source
- Fuel solenoid valve wired to ignition system
- Operation selector switch to proper position
- Proper generator A.C. wiring connections (UR, YD, YB)
- Is plant grounded? Yes Where? Common

120VAC

Automatic Load Transfer Switch

- Remote start wiring to engine/generator
- Trickle charger operation & adjustment 300-5878-01
- Proper A.C. load, A.C. generator & A.C. normal wiring
- Adjust time delay relays
- Adjust clock exerciser Rev Set
- Visual check main contractors NOT SET
- Check annunciator - if applicable FT-10

General Inspection

- Wiring
- Hoses
- Clearances
- Supports

Recommendations or Modifications before Plant is started first time.

- Modifications completed Date: _____
- OK for start-up

Start and Warm-Up period (No load)

- Start engine (Selector switch in "Run" position)
 - Oil pressure 41 lbs.
 - Water temperature 13 °F
 - Battery charge rate
 - Unusual noises/vibrations
 - Check phase rotation
 - Voltage 480 60
 - Hertz
 - Unusual noises/vibrations
- DID 5 hr 4/B
ECW

Warm-Up Period (Add Load)

- Selector switch in "Run" position
- Add load by simulating power failure (Main breaker or test switch in the automatic transfer switch)

Engine/Generator

- Carburetor adjustments
- Governor adjustments
- Check for Overload
- Load per Leg: 91 AMPS 80 AMPS 67 AMPS → BLDG LD
- Voltage MAX
- Hertz
- Oil pressure 51 lbs.
- Water temperature 181 °F
- Check low oil pressure safety switch
- Check high water temperature safety switch PCC-2100
- Check engine overspeed safety switch
- Unusual noises/vibrations

Automatic Load Transfer Switch

- Transfer to emergency OK
- Time delays timed out OK
- Remove load (Main breaker or test switch in the automatic load transfer switch)
- Retransfer to normal OK
- Shut down plant (Selector switch in "Stop" position)

ONAN Warranty Initiation

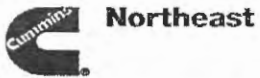
Engine/Generator Date: 1/6/12
Automatic Load Transfer Switch Date: 1/6/12

Checkout & Initial Start-Up

Performed by: Max
Performed by: Jeffery L. Cornell
Witnessed by: _____
Company: _____
Owner/End User: _____
Contact: _____
Phone Number: _____

Personnel present for operational maintenance instructions:

Final Installation Recommendations:



GEN SET TEST REPORT

Project No./Name USM Science Bldg **Customer** _____ **Date** 12/21/11
Portland, Maine

TIME	VOLTAGE			CURRENT			KW	HZ	AMB TEMP	COOLANT TEMP	OIL PR	OIL TEMP	FUEL RATE	B/C
	1	2	3	1	2	3								
1175	480	480	480	92	92	92	76	60	80F	179F	57 psi	N/A	6.5gph	4vdc
1200	480	480	480	92	92	92	76	60		179F	57 psi			4vdc
1225	480	480	480	92	92	92	76	60		179F	57 psi			4vdc
1250	480	480	480	92	92	92	76	60		179F	58 psi			4vdc
1275 (1)	480	480	480	92	92	92	76	60		179F	58 psi			4vdc
1300	480	480	480	92	92	92	76	60		179F	57 psi			4vdc
1325	480	480	480	92	92	92	76	60		179F	57 psi			4vdc
1350	480	480	480	92	92	92	76	60		179F	58 psi			4vdc
1375 (2)	480	480	480	92	92	92	76	60		178F	57 psi			4vdc
1400	480	480	480	92	92	92	76	60		178F	56 psi			4vdc
1425	480	480	480	214	213	214	178	60		189F	55 psi		14.22gph	4vdc
1450	480	480	480	214	214	214	177	60		188F	54 psi			4vdc
1475 (3)	480	480	480	214	213	214	178	60		186F	55 psi			4vdc
1500	480	480	480	214	214	214	178	60		187F	55 psi			4vdc
1525	480	480	480	167	167	167	140	60		183F	55 psi		12.2 gph	4vdc
1550	480	480	480	167	167	167	140	60		184F	55 psi			4vdc
1575 (4)	480	480	480	167	167	167	140	60		185F	55 psi			4vdc
1600	480	480	480	167	166	167	141	60		185F	55 psi			4vdc
1625	480	480	480	167	167	167	140	60		185F	55 psi			4vdc

UNIT DATA

Model No. _____
Ser No. _____
KW 175 **V** 480
Hz 60 **Spd** 1800
Phase 3 **W** 4 **PF** .8

Gen Mod No. 175DSHAB/E
Gen Ser No. G110232289
ATS Mod No. _____
ATS Ser No. _____

Notes:

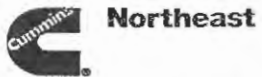
Unit tested with Resistive Load Banks @ 1.0 power factor

CUMMINS NORTHEAST, INC.

Tested By: _____

Marc

Witness: _____



GEN SET TEST REPORT

Project No./Name USM PAGE 2 Customer _____ Date 12/21/11

TIME	VOLTAGE			CURRENT			KW	HZ	AMB TEMP	COOLANT TEMP	OIL PR	OIL TEMP	FUEL RATE	B/C
	1	2	3	1	2	3								
1650	480	480	480					60						
1675	480	480	480					60						
1700	480	480	480					60						
1725	480	480	480					60						

DOWN NO

UNIT DATA

Model No. _____

Ser No. _____

KW _____ V _____

Hz _____ Spd _____

Phase _____ W _____ PF _____

Gen Mod No. _____

Gen Ser No. _____

ATS Mod No. _____

ATS Ser No. _____

Notes:

CUMMINS NORTHEAST, INC.

Tested By: Marc

Witness: _____

Warranty Information

****This information is needed for us to register warranty for your customers unit.****

To schedule your startup and test for Generators and Switches please contact:

Cara Bean
Project Manager/Startup Coordinator
Phone: (207) 883-8155
Fax: (207) 883-5638

Please provide the following information so we can register your equipment for base/extended warranty.

End User Information---Location of Generator

*****This is very important to file warranty*****

End User Name:

University of Southern Maine for the University of Maine System

Location Address: 70 Falmouth St., Portland, ME 04104

Mailing Address: (If different from above): 96 Falmouth St., Portland, ME 04104

City, State, Zip: Portland, ME 04104

End User Phone Number: 207-780-4160

*****If job is for a business please give a contact name at site.**

Name: Daniel Gearan
Daniel Warren

*This information must be provided so we can get directions for the tech and make sure all warranty paperwork is filled in a timely manner. If you have any special directions for tech please attach to this paperwork.