

<h2 style="margin: 0;">Cummins Fire Power Start-Up Inspection (SUI) Checklist</h2>
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Facility Identification (Name)			
Address		City	
State/Province	Postal code	Country	
S.U.I. test date	Engine Model (CFPXXX-XX)	Engine Serial Number	
Pump Mfr.	Pump Model	Pump Serial #	Pump Type: Split Case / Vert. Turbine
Controller Mfr.	Controller Model	Controller Serial #	
Rt. Angle Gear Mfr.	Rt. Angle model #	Rt. Angle Gear Ser. #	Rt. Angle Gear Ratio

Inspection Requirements

Engine Full Load RPM	Engine Oil Pressure at Full Load	Stabilized Engine Temp @ Full Load
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Check and Correct as Necessary (Check box or indicate measured value)

STATIC CHECKS

- Pump set is secured to foundation
- Pump set base is grouted
- Coupling or driveshaft aligned and serviced
- Coolant Plugs, coolant and SCA installed
- Heat exchanger discharge piping installed
- Engine pre-heater connected to a dedicated AC power source
- Crankcase oil level full with approved oil
- Fuel supply and return lines connected, tank at proper elevation, tank filled

NOTE: Copper or Galvanized pipe can not be used in the fuel system. Engine damage will occur.

RUNNING CHECKS

Prior to start: Verify manual raw water loop is open and the auto loop is closed. Put engine control panel in manu. mode.

- Manual start at crank 1 solenoid
- Verify (**visually**) raw water discharge
- Coolant loop PSI gauge reading _____
- Engine gauges functioning correctly
- No leaks of fuel, water, oil or exhaust
- High coolant temp. alarm
- Low oil pressure alarm
- Overspeed shutdown
- Shut down by switching to Auto mode
- Switch back to manual mode and verify crank 2 start

Note: Close the MANUAL raw water cooling loop and open the AUTO cooling loop. Verify the raw water solenoid is wired to the engine control pane

- Switch to AUTO mode and start engine from controller
- Verify raw water valve operation by **(Visually)** inspecting water discharge
- Pump room air supply and ventilation equipment complete and adequate - sized inlet louver & quantity
Qty: _____ Size: _____ X _____
- Exhaust system completed with flex pipe installed and supported by the building structure, rain protected - **rain cap or other method to avoid water intrusion.**
- Controller wired to supplier's instructions, "W" terminal used for cooling water solenoid
- Batteries filled, secured and connected
Size of cable _____
Total cable length _____
Size of battery/ies _____

Photos of the installation would be appreciated

Exhaust Back Pressure
inches HG _____

Fuel inlet and return restrictions
Inlet _____
Return _____

FOR ELECTRONIC ENGINES ONLY

- With engine off, switch A/B switch to ECM B
- Start engine and verify ECM-B speed setting
- With engine off, switch A/B switch back to A

Final hour meter reading _____

Inspection performed by:

Print _____

Sign _____

Company name _____

Address _____

DATE _____



Fax completed form to:

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