



Enriching Lives

KFP SERIES ENGINE COMMISSIONING / START-UP INSPECTION CHECKLIST

Name of the End User:			
Address:		City:	
Province / State:		Postal Code:	Country:
Start-up Inspection Date:	Kirloskar Engine Model:	Engine Serial Number:	
	Engine Rated Speed (rpm):	Engine Rated Power (hp):	
Pump Make:	Pump Model:	Pump Serial no.:	Pump Type:
Pump Specifications: <i>Please provide Rated values of the pump coupled to this engine</i>			
Flow (GPM):	Pump Pressure (PSI):	Power (hp):	
Controller Make:	Controller Model:	Right Angle Gear Ratio:	

Inspection Records: *Please record following parameters of engine after running the pump set for a duration that will stabilize these parameters*

Full Load Speed (rpm):	Pump Pressure (PSI):	Coolant Loop Pressure (PSI):
Stabilized Engine Coolant Temp (°F) (Green / Red):	Stabilized Engine Lube Oil Pressure (bar):	Final Engine Hour meter Reading:
Ambient Temp (°F):	Engine Exhaust Back Pressure (inches of water) <i>(Measure if possible):</i>	Engine Exhaust Temp at full load (°F) measured with infrared gun:

Check List: *(Please Check Box or indicate appropriate value)*

Installation checks:

- Pump set base is grouted
- Coupling or driveshaft aligned and serviced
- Coolant Plugs & coolant installed as per recommendations
- Heat exchanger discharge piping installed

Run Test checks:

- Engine starting electrical system Voltage
 - 12Vdc. 24Vdc
- Manual start at fire pump controller with Engine Panel in AUTOMATIC
- Water solenoid operation, verify raw water discharge (**Visually**)
- Engine gauges functioning correctly
- No leaks at fuel, water, oil, exhaust



- Engine Coolant pre-heater connected to a dedicated AC power source
- Crankcase oil level full with approved oil
- Fuel supply and return lines connected
- Fuel supply and return lines connected (no galvanized or copper piping), tank at proper elevation, tank filled
- High coolant temperature alarm functioning
- Low coolant temperature alarm functioning
- Low oil pressure alarm functioning
- High raw water temperature alarm functioning
- Low raw water flow alarm functioning
- Over speed shutdown using verification procedure and check over speed warning lamp
- Engine Running signal to fire pump controller.
- Check Auto warning indication on Engine panel
- Check Engine shut down through manual stop switch from engine panel as well as from fire pump controller

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

- If engine has not run for over four (4) months, pre-lube the engine prior to starting it. Plumb an oil pressure gauge into the main oil galley and crank the engine on AUTO mode at engine panel until oil pressure is seen on the gauge. Before cranking Check Battery charge status
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 panel.

- 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 according to supplier's instructions
- Batteries filled, secured and connected
Size of Cable: _____ ; Total Cable length: _____
Size of batteries: _____

Please attach some Photos of installation along with a scanned copy of this signed sheet on KFP series website for registering the warranty of this engine.

Inspection Performed by:

Signature : _____

Name : _____

Company Name : _____

Date : _____