## FEMORS TRAILER ELECTRICAL DOCUMENTATION

Femors trailer includes both 120VAC breaker box as well as 12VDC fusing. 12VDC appliances (including ceiling lights) will automatically be powered from a storage source if the 120VAC is lost. This document does not currently include further information on the 12VDC wiring.

120VAC wiring has an automatic switch that will disconnect from shore power and utiilize the generator if the generator is running. If the generator quits, the system will automatically shift to shore power if available. The wiring receptacles native to the FEMORS trailer, and its native extension cord, are 240V (120-neutral-120) NEMA 14-50. (Straight blades, with a round pin for GROUND.)

The 120VAC wiring of the FEMORS trailer is exactly like a house – the power panel has 240VAC (with neutral) wired to it, and every other breaker comes from the alternate leg. There are two inlet 50A circuit breakers (ganged) to protect the supplier of the power. Then each circuit is 120VAC, alternately from one leg, and then the other just like a house. I did not observe any other ganged (240VAC) appliance breakers in the box.





Line 1	Line 2	Comments
50A Main		
	50A Main	Ganged to the other main inlet
A/C 30A		Air conditioning is 120VAC
	Battery Charger	
Workstation outlets		
	Workstation chargers	
Hot Water Heater		Suggest this be turned OFF
	Microwave/coffee pot	
Fridge		
	Server	
Outside lights		
	Unused	

By lucky happenstance, the definition of Line 1 and Line 2 above, appears to agree with the one that I chose for the 10kw Generator. So the major load (the Air conditioner) from the FEMORS trailer will be on L1 of the 10kw Generator if used.

The FEMORS propane generator appears to be rated for 7500 watts and is a V-2 (2 cylinder) engine.



		AIR FILTER LOC	ATED BEHIND PANEL	
		MAINTENA	NCE SCHEDULE	
A	IR FILTER:	Clean Prefilter Every 100 Hours.°	SPARK PLUGS:	INSPECT & CLEAN PLUGS EVERY 500 HOURS.
		REPLACE ELEMENT EVERY 250 HOURS.*		Replace plugs IF Necessary
4	DIL & OIL FILTER:	CHANGE EVERY 100 HOURS. [OR ANNUALLY] * • PERFORM MORE OFTEN IN OUSTY CONDITIONS	FUEL FILTER:	Change every 400 hours [or annually] °
	DIL CAPACITY WITH FILTER:	1.8L/1.9QT.	OIL LEVEL:	CHECK DAILY
	TEMPERATURE:	SAE VISCOSITY SAE 30 OR 10W-30 5W-30 OR 5W-20	REPLACEMENT INFORMATION:	PREFILTER P/N: 0D4511 AIR FILTER P/N: 0D9723 OIL FILTER P/N: 070185 SPARK PLUG P/N: 0E7585
	API SERVICE CLA	SSIFICATION SF, SG OR SH		FUEL FILTER P/N: 087769
	WHEN SER	VICE OR PARTS ARE	NEEDED IN THE L	ISA OR CANADA,



In the above drawing, Y= "Line 1" and X = "Line 2" in my arbitrary assignment.



10KW Generator with arbitrary line numbering.