

Test Run and Commissioning Sheet

Serial Number

Customer :

Customer Name & Address:	Global Asset Ltd. (Grand Sylhet)	
Contact No:	01918473467 (Md. SOHEL)	Tel:
		Tel:

Gen set:

Product ID (Plant No.):	17E12797/2				
Gen Set:	Model	KVA	Details		
	PM630	690			
Engine:	Brand	Model No	Serial No	JGAF551N01250B	
	Porkin	GT950B 280GA-E6/A62			
Alternator:	Brand	Model No	Serial No	0001996534	
	Meeceffe	ECO 40 2L4			
Year of Manufacturing					
ATS Type	Nil	<input checked="" type="checkbox"/> Local	Foreign	Magnetic Contractor	Brand & Model
					Capacity (Amp)
					939 4000A (clm)
Canopy Type	Open	<input checked="" type="checkbox"/> Local	Foreign	Canopy Internal Insulation	Good/Not Good
				Good	Canopy Sound performance
				Good	Good / Not Good
Controller Model	DA 8610		Battery Charger	<input checked="" type="checkbox"/> Connected	Not Connected

Installation:

SYLHET

Place Of Installation	30-06-21	Date of Delivery	30-06-21
Date Of Installation	15.07.2021	Date Of Commissioning	16-07-21
Warranty Expiration date	AS per Agreement	Free Service Period	

2 Yrs from the date of delivery and 1 Yrs for Battery 10kV

Load Test:

Item No	KW	Hz/Speed	Voltage Phase-N			Current			Oil Pressure Bar	Temperature °C
			V1-N	V2-N	V3-N	I1	I2	I3		
1	185	50/1500	231	230	231	388	422	380	4.60	88
2	"	"	"	"	"	"	"	"	"	"
3	"	"	"	"	"	"	"	"	"	"
4										
5										
6										
7										
8										
9										
10										

16.07
21

Related Documents

User Manual	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Electrical Diagram of Gen. Set	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Maintenance/User Hand Book	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Electrical Diagram of Foreign ATS	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Warranty Dose Not Cover:

- ☉ Defects due to users improper maintenance (Not following the maintenance instruction by Manufacturer)
- ☉ All Consumable items (Not following the user guide/manual by Manufacturer)
- ☉ Normal Wear & Tear
- ☉ Alterations or repairs of any parts without prior approval by authorized Manufacturer/Distributor.
- ☉ Not Following written Instruction/Comments/Recommendation given by Commissioning Manager / Engineer.

For Cross World Group

[Signature]

Commissioning Engineer

Date: 16-07-21

For Customer

[Signature]
16/7/21
Engel Hossain
Schul

The Gen set has been commissioned successfully & handed over without any discrepancy. We understood the operational procedure.

Response Time	Fast	Slow	Customer observation about product & service			
Product Problem Identification	OK	Not Ok	Delighted	Very Satisfactory	Satisfactory	Unsatisfactory
Operation Procedure Explanation	Ok	Not Ok	Remarks (If any):			
Service Engineer Behavior	Ok	Not Ok				
Additional Work / service/Commissioning Done	Ok	Not Ok				

Note:- DGR set Load Demand Active more set 70% & less set 60%.
Load Setting AS per Customer Discussion. (SYMC DGR)

[Signature]

DATE: 16-07-21

To,

Project Name: Global Asset Ltd (Grand Sylhet.)

Dear Sir,

We would like to express our heartfelt gratitude for providing us the opportunity to serve you with our generator. The KVA Tempest brand diesel generator has been commissioned and is presently running properly.

The product that Cross World supplies are of highest quality and would definitely outlive any generator that you have used in the past provided the generators are maintained properly. And to achieve that there is no alternative to routine servicing of the generators.

It is essential that the new generator must undergo routine servicing for the first time after running for 120 hours, followed by routine servicing after every 200 hours of running. During each routine servicing basically lube oil filter, fuel filter, coolant and lube oil needs to be changed. Air filter needs to be changed after every 400 hours of running. This is the standard rule, but if the generator is in dusty environment then the air filter may require changing at every 200 or less hours of running.

Saline water in the radiator would eventually damage the engine block, resulting in seizure of the engine. We suggest you to avoid using normal tap water in the radiator as well. Our recommendation is to use distilled water in the radiators. The radiator must also be serviced once every 400 hours of running if not earlier. Basically, if the above rules are followed strictly, your generators will have a service life of over 10 years without hassle.


All diesel generators are used as per their application (Prime/Stand By/Base load) recommended in ISO 8528. It is also recommended that the generators depending on the usage should follow the instruction as per O & M / User Manual and maintain a recommended ventilation system inside engine room.

There is another critical issue that is often overlooked by our clients. It is the air circulation within the generator room. The fresh cold air flow into the room is sucked in by the engine for combustion. To keep the ambient temperature to a minimum, a continuous in-flow and out-flow of air is a must. Otherwise, if the ambient temperature reaches over 45°C, the engine temperature shoots up, resulting in premature shutdown.

We believe it is our prerogative to keep each of our customers aware of the critical issues regarding the products that we supply and we can only request you to instruct the persons responsible for maintenance of the gen set to inform us to perform routine servicing upon completion of the running hours mentioned above. In any case, we would have our engineers proactively contact your maintenance department time to time.

We hope the above information would be helpful for your maintenance team.

Thank you once again for extending your support.


Sincerely yours,
Cross World Group

Electrical and Mechanical Installation Sheet

Serial Number:

Project Name	Global Asset Ltd.	kVA/Model	650 kVA.
Address	SYLHET	Date	15/7/21

STEP 1 : Check points when shipment arrive to site		Remarks
Engine & Alternator		
1	No visual damage to engine or generator	NOT FOUND
2	Visual damage to engine or generator	NOT FOUND
3	Gen set Placement (Leveling & bolting)	GOOD
If there is any visual damage, please inform concern dept		

Step 2 : Gen set room /environmental condition		Ok	Not ok	Remarks
1	Sufficient space around the generator for movement	OK		
2	Proper light and air inside the room	OK		
3	Dust proof, neat and clean	OK		

Step 3 : Cable selection & termination		Ok	Not ok	Remarks
1	Check the power cable rating and insulation quality	OK		
2	Check the control & signal cable	OK		
3	Cable laying & dressing	OK		
4	Cable marking & termination	OK		
5	Cable trench / tray (If any)	OK		
6	Power cable connections from Alternator - ACB, ACB-ATS, ATS-LT	OK		
7	LT/Load are correct (Balanced)	OK		
8	Phase Sequence	OK		

Step 4 : Earthing System/connection		Ok	Not ok	Remarks
1	Separate earthing for generator	OK		Confirmation
2	Earthing result below 1 ohm	OK		by
3	Connection from earthing bar to generator/ATS (body & neutral)	OK		client.

Step 5 : Exhaust/silencer System-		Ok	Not ok	Remarks
1	Mounting of Exhaust silencer	OK		
2	Rigid / flexible fixing of exhaust pipe	OK		
3	Diameter & Length of exhaust pipe *	OK		
4	Support system	OK		
5	Extra flexible if required	OK		
6	Rain cap	OK		N/A.
7	Insulation & Quality	OK		
8	Alignment	OK		
9	Drainage point	OK		
10	Gasket fittings and leveling	OK		
11	Bolting, tightening & welding	OK		

STEP 6 : Radiator System		Ok	Not ok	Remarks
1	Ducting Dimension	OK		N/A.
2	Opening area of ducting	OK		N/A.

3	Canvas cloth fitting	OK		
4	Support system	OK		
5	Out flow / louver	OK		
6	Water Drain line	OK		
7	Coolant Spec	OK		
8	DM Water	OK		

STEP 7 : Fuel System		Ok	Not ok	Remarks
1	Check fuel day tank placement / capacity •	OK		
2	Check fuel reservoir placement / capacity •			
3	Fuel feed line (MS pipe Diameter)			
4	Fuel return line (MS pipe Diameter)			
5	Fuel tank height & size/capacity (for 4000 series)	OK	N/A	

STEP 8 : Ventilation System		Ok	Not ok	Remarks
1	Check all ventilation blowers are installed as per engine requirement, wiring and its connection to DB/MCC.	OK		
2	Ducting for ventilation system			
3	Check the air flow/capacity of the ventilation fan			
3	Louver/ ventilation fan placement / condition checking (if necessary)			
4	Pre-filtration system for air intake	OK		

STEP 9 : Miscellaneous		Ok	Not ok	Remarks
1	Breather pipe extension	OK		
2	Battery terminal connection and its condition.			
3	Check availability of distilled water, lube oil, coolant and diesel for commissioning as required			
4	Check hanging condition of the ATS on the wall.			
5	Visual condition of the Canopy, ATS, Fuel tank etc.			
6	Lube oil drain line	OK		
7	Check and make overall comment on environmental condition to run the generator			

We have checked and certify that the works mentioned above has done as per our drawing/design/requirements/recommendations.

Cross world Personnel : MD. Mehimin Alam. Signed : Alam Date : 16-07-21

End user personnel : [Signature] Signed : Sohel Date : 16/7/21