

(SH98798 Perform Misc Repair)

ENCLOSURE UNIT



TAI INSPECTION REPORT
ENGINES



JOB DATA	
W.O.No. (IF APPL.)	SH :- 96643/01
INSPECTION DATE	14/02/08
INSPECTED BY	Adm

CUSTOMER DATA	
NAME	CAT ADVANTAGE
NUMBER	
LOCATION	
CONTCT PRSN	
TEL. NUMBER	

MACHINE DATA	
MODEL	340B
ENGINE S/N	1DX10002
ENGN AR. #	1SD-2982
SMU'S (HR's)	12155 Hrs

INSPECTION LOCATION :
 Shop Field

CUSTOMER COMPLAINT / REQUEST C2401983

Perform Misc. Work :- SH :- 98798

340B, 365KW/27
 3φ, 50HZ
 400/230V, 527A

Component code	System/Compt Conditn: ✓ Satisfy, X Needs Attention Job Codes: 025: Adjust, 031: Dyno Test, 062: Weld, 072: Paint Modifier Codes: L: Left, R: Right, F: Front, RE: Rear Quantity Codes: B: Both Sides, S: Set	System/Compt Conditn	Remove & Install	Recondition	Repair Leaks	Diagnose	Other-Specify Job Code	Modifier Code	Quantity /Quantity Code	Repair Source (C/I/R)	Cust. Approved (Y/N)	Estimated Labor Hours	Comments	Note Reference
		(✓/X) 010	020	099	038									
1000	ENGINE													
1100	Cylinder Head Assembly	✓												
1160	Crankshaft Front Seal		✓											
1161	Crankshaft Rear Seal	✓												
1050	AIR INDUCTION & EXHAUST SYSTEM													
1052	Turbocharger	✓												
1063	Aftercooler	✓												
1250	FUEL SYSTEM													
1254	Injectors	✓												
1256	Fuel Transfer Pump	✓												
1258	Fuel Priming Pump	✓												
1286	Governor & Fuel Injection Pump	✓												
1300	LUBRICATION SYSTEM													
		✓												
1350	ENGINE COOLING SYSTEM													
1353	Radiator	✓												
1356	Fan	✓												
1357	V-Belts	✓												
1359	Fan Drive	✓												
1361	Water Pump	✓												
1378	Engine Oil Cooler	✓												
1380	Coolant Hose/Lines	✓												
1400	ELECTRIC SYSTEM													
1401	Battery		✓										EMCPII	
1405	Alternator	✓												
1453	Starting Motor	✓												
1606	Control Panel Group	✓												

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		(✓/X)	010	020	099	038							Comments	
Component Description		(✓/X)	010	020	099	038								
1900	ELECTRONIC CONTROL SYSTEM													
1901	Electronic Control Module (ECM)	✓												
4450	ELECTRIC POWER GENERATOR													
4453	Stator	✓												
4454	Exciter	✓												
4456	Drive Coupling	✓												
4457	Rotor	✓												
4461	Circuit Breaker	✓												
4462	Automatic Start Stop Switch	✓												
4467	Voltage Regulator	✓												
4469	Transfer Switch	✓												
4471	Generator Bearing	✓												
4490	Electronic Module Control Panel (EMCP)	✓												
3300	MARINE GEAR													
3313	M.G Selector Valve													
3320	M.G Oil Cooler													
7400	PROTECTION DEVICES & ALARMS													
7418	Safety Shutoff	✓												
7422	Coolant Level Switch													
7450	GAUGES & INDICATORS													
7452	Air Filter Indicator	✓												
7453	Engine Coolant Temperature Gauge	✓												
7454	Engine Coolant Pressure Gauge	✓												
7455	Engine Oil Pressure Gauge	✓												
7456	Fuel Pressure Gauge		✓											
7467	Ammeter	✓												
7468	Voltmeter	✓												
7471	Frequency Meter	✓												
7478	Service Meter	✓												
7500	SERVICING *													
7524	250 Service Hour Maintenance	✓												
7525	500 Service Hour Maintenance													
7526	1000 Service Hour Maintenance													
7527	2000 Service Hour Maintenance													
7528	Indicated Maintenance (When required)													

* Use Job Code 541 "Perform Maintenance"

ACTIVE FAULT CODES														
LOGGED FAULT CODES														

GENERAL COMMENTS

I Generator status:- LCB114B, LB02696, 235-1203Cg.

1. Unit need water washing.
2. EMCP II control Panel was hanging, hinge was broken need to replace.
3. Battery was bad need to replace.
4. Radiator Pressure cap was damaged need to replace.
5. oil was leaking from the front seal.
6. Engine need 200 hrs service.
7. Fuel Pressure gauge need to replace.

*

Above mentioned all the comments was rectified and serviced. He did the Load Test found ~~the~~ the Engine and Generators Parameters All are ok.

Now the unit is ready for delivery.



محمد عبد الرحمن الباهر
MOHAMED ABDULRAHMAN AL-BAHAR

P.O. BOX 6038, SHARJAH - U.A.E.

GENERATOR SET LOAD BANK TEST DATA

Job # SH-96643 Customer: CAT ADVANTAGE Date: 15/02/08 S.M.U Begin: 12155 End: 12156 Test No.:

Package S/No.: C2901983 Engine Model: 3406 S/No. 1DZ10002 Arr. No.: 150-2982 O.T. No.

Generator make: Model: S/No. L6B02696 Part No.: 235-1203cy Frame No. L66114B
SPECIFICATIONS

Engine: High Idle: 1566rpm Oil PSI: 66PSI Boost Press: 52.8 INHG Full Load BHP: 496HP
Low Idle: 1198rpm Oil temp: 114°C Exhaust temp: Full Load RPM: 1500rpm
Rack Set: Fuel PSI: Air Inlet Temp. (I)
Maximum Water Temp. (4) ECM No.
Personality Module No. TATTLETALE

Generator: X-Prime
KW: 292 KVA: 365 Volts: 400/230V
Full Load AMPS P.F. 0.8, 527A Hz N/L 50HZ, 400V
Full Load AMPS P.F. 1, 406A Hz F/L 50HZ, 415V
Ext. Amps Full load
Ext. Volts Full Load

NOTE: ALL TEMPERATURES IN DEGREES CENTIGRADE (0°)

Time	Ambient Temp.	LOAD	ENG. RPM	FUEL PSI	OIL PSI : TEMP		AIR TO TURBO TEMP.	BOOST PRESS L : R		Jacket Water Temp. IN : OUT		Inlet Man. Air temp. L : R		A/C Water Temp.	Exhaust Temp.	Hz	Volts V1-2 V2-3 V3-4	AMPS A, B, C, N.	KW	Power Factor
					Kpa															
31		High Idle (10 MIN)	1558	39	559	78	29	-	-	48	59	43	-	66	102	51.8	416	-	-	0.8
31		1/2 Load (15 min)	1522	38	507	90	32	-	-	53	78	72	-	83	321	50.7	416	203	146	1
31	99	% Load (15 MIN)	1500	36	465	97	34	-	-	66	85	108	-	91	412	50.0	416	401	289	1
32		Full Load (30 MIN)	1490	36	463	97	34	-	-	66	85	111	-	91	414	49.8	416	406	292	1
		110% Load																		

Final Check () if OK

1. Oil leaks. 2. Water leaks. 3. Fuel leaks.
 4. Valves set Inspection 5. Governor recovery 02 seconds. 6. Charging Gen./Alt.
 7. Engine Safety shut off system 8. Oil filter check.

Tested by: Ajim (sp-23) Inspected by;

Witnessed by