

Jinshan Weiwen Industrial Zone Fuzhou, China

Tel: +86-591-86396829 Fax: +86-591-86396929 Email: info@aggpower.com

Standard Customer Witness Test Options for Diesel Engine Powered Generators

Test Equipment and Conditions

1. Test Equipment

All test instrumentation is calibrated and calibration certificates are available on request.

2. Test Conditions

Ambient conditions for the test will be those existing within the test cell at the time of test. No altitude adjustment is required at the AGG Power factory for any of the product range and the altitude shall be stated as 35 meters.

The engine coolant for the test shall be a 50/50% mix of water and antifreeze plus DCA4 (anticavitation & Inhibitor), where applicable, unless otherwise agreed by prior written agreement.

The test fuel shall be standard diesel fuel, which is 0#/ASTM2. The oil used during the test is CF4/SG15W-40.

Standard Witness Test

Inspection of Generator Set prior to Set Test

Pre-test inspection of the plant to be tested will be carried out in the test cell.

A reasonable time will be allowed for the inspection, during which a member of the AGG Power Staff or Test Engineer must accompany the visitors at all times.



AGG POWER TECHNOLOGY (FUZHOU) LTD

Jinshan Weiwen Industrial Zone Fuzhou, China

Tel: +86-591-86396829 Fax: +86-591-86396929 Email: info@aggpower.com

Permission to enter the Test Cell can only be authorized by the Test Technician responsible for conducting the test.

Demonstration of Load Acceptance (at normal operating temperature)

A single step load at unity power factor as determined below, or as agreed between the customer and AGG Power prior to commencement of the test, shall be applied to the generator set when at no load and at normal operating temperature

The initial load to be applied to the generator will be agreed between the customer and AGG Power prior to the day of the Witness Test.

Load Duration Test (Standard testing procedure and time)

S/N	Load	Time
1	0 load	2 minutes
2	25% load	2 minutes
3	50% load	2 minutes
4	75% load	2 minutes
5	100% load	2 minutes
6	110% load	15 minutes

Load Duration Test - Readings

During the load test, the following information and generator control parameters shall be recorded every step:

- load power (kw)
- Voltage
- Current
- Steady power factor
- Frequency



AGG POWER TECHNOLOGY (FUZHOU) LTD

- Water temperature
- Oil Pressure
- Time

Jinshan Weiwen Industrial Zone Fuzhou, China

Tel: +86-591-86396829 Fax: +86-591-86396929 Email: info@aggpower.com

After testing, will issue a testing report, the sample please refer to appendix 1.

Health and Safety

When attending AGG Power for the testing of a generating set, the following Health and Safety rules are in place and must be complied with by all attendees, at all times.

- Personal Protective Equipment must be worn at all times when in the factory production and test areas. Anyone found not wearing full PPE will be requested to leave the production and test areas.
- Entry into the test cells is only permitted with the permission of the Test Engineer conducting the testing. Entry is never permitted once the testing sequence has begun and the generating set is functioning.
- Visitors are not permitted to move around the factory unescorted and must have a AGG Power representative with them at all times.
- Care is to be taken when moving around the factory production areas due to operating cranes and heavy equipment being moved by electric or gas powered units.
- Photography is permitted, but permission is to be sought before taking photographs due to concerns of flash units being used.
- Smoking is only permitted within the confines of the nominated smoking area.



Jinshan Weiwen Industrial Zone Fuzhou, China

Tel: +86-591-86396829 Fax: +86-591-86396929

Email: info@aggpower.com

Тe	Ę	Ħ	Ą		9	.∞	_	_							7.1			6.0	5.0		R	4.6	3.	2.E	1.0	M	S	
1:086-59	Fuzhou, China	ing Ind	G POV		Starting	50% ra	110%	100%	75%	50%	25%	0%	load%		7.LOAD TEST	low o	0	HECK	ONTR	Type of oil	Relative humidity:	NVIRO	3.ALTERNATOR	2.ENGINE	SPECIF	MODEL:	O8528-	7
Tel:086-591-86396829	hina	Tieling Industrial Zone, Minhou	AGG POWER TECHNOLOGY (FUZHOU) CO., LTD		9. Starting capability in normal temperature(starting machine three times every 2 Mins):	50% rated power load moment capability:							(KW)	load nower	EST	low oil pressure protection:	overspeed stop	6. CHECK EVERY INDICATION EQUIPMENT'S WORK CONDITION OF CONTROL SCREEN	5.CONTROL SYSTEM	oil:	umidity:	4.ENVIRONMENT CONDITION	NATOR	•	1.SPECIFICATION		ISO8528-1995 GB/T2820-1997	9
Fax:086-591-86396929		linhou	LOGY (FU		normal te	d moment							AB	\ \		tection:		ATION EQ		CF4		DITION	Û	Ð	Line Number/Voltage		0-1997	Solutions
91-86396			ZHOU) C		mperatu	capabilit							CA	voltage(V)				UIPMEN.	Control model:	CF4/SG15W-40			Ex-factory:	Ex-factory:	per/Voltag	SERIAL NO .:		3
3929			O., LTD		re(startin	ÿ:							ВС)				r's wor	model:	.40					je:	Ю.:		
					g machin								Α	0		ba	high w	CONDI			Envirome							
					e three ti								В	current (A)		battery charging:	high water temperature:	TION OF		Type of fuel:	Enviromental temperature:							S
					mes every								С	A)		ging:	erature:	CONTROL	Serial No.	el:	erature:				Speed/Frequency:	Performa		orks/
					2 Mins):								power factor	steady				SCREEN		0#/4			Model:	Model:	equency:	Performance class:		Load
													y (Hz)	frequenc						0#/ASTM2	12°C							Works Load Test Report
													temperature (°C)	water			emerg		Switch model:	Circuit							Date of test:	Report
		lestel	Tester	CONCLUSION:									(BAR)	oil pressure			emergency stop:			Circuit diagram:	Atmosphere:		Serial No.:	Serial No.:	Rated current:	CUSTOMER:		
		CIECKE	Chacker	SION:									(minute)	time	-			•	Serial No.:	C364005	9						Test time:	
		7000	Approver										remark							C364005-1000001698	95kPa							