

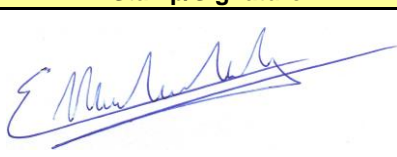
Generator Test Report

General information			
Customer:	DIESEL POWER HOLLAND	Customer order number:	107761
Date:	15-9-23	Order number:	32231277

Generator details			
Make:	CATERPILLAR	Power:	2004 kVA
Type:	SR4	Voltage:	440 V
Serial number:	5WN02135	Current:	2630 A
AVR type:	BASLER DECS 100	Frequency:	60 Hz
Enclosure:		Rotation speed:	1800 rpm
Insulation Class:	H	Excitation:	41 V 8,9 A

Test Results							
Megger test				Heatrun			
Megger voltage:	1000	V		Time	Current (A)	Air-out °C	Ambient °C
Stator:	>2000	MΩ		8:00			
Rotor:	>2000	MΩ		8:30			
Exciter Stator:	>2000	MΩ		9:00			
Exciter Rotor:	>2000	MΩ		9:30			
High voltage test				10:00			
Test voltage:	-	V		10:30			
Duration:	-	Sec.		11:00			
<input type="checkbox"/> U-phase / earth	<input type="checkbox"/> W-phase / earth			11:30			
<input type="checkbox"/> V-phase / earth	<input type="checkbox"/> Rotor / earth			12:00			
Excitation				Temperature rise ΔT			
0% load:	5,90	V	A	R ₁ = cold resistance U-V:			Ω
50% load:	18,70	V	A	R ₂ = warm resistance U-V:			Ω
100% load:	33,5	V	A				
120% load:	38,5	V	A				
Over speed:	4,4	V	A	$\Delta T = \frac{R_2}{R_1} - 1 =$			°C
Field resistance:	4,50		Ω	$\frac{0,0043}{}$			

Analyzer Testdata									
No Load	Power:	0	kVA	No Load	Overload	Power:		kVA	Overload
	Voltage:	445	V			Voltage:	438	V	
	Current:	0	A			Current:	3060	A	
	Frequency:	60,1	Hz			Frequency:	60,2	Hz	
	Power factor:		φ			Power factor:		φ	
50% Load	Power:	1010	kVA	50% Load	Overspeed	Power:	0	kVA	Overspeed
	Voltage:	442	V			Voltage:	446	V	
	Current:	1320	A			Current:	0	A	
	Frequency:	60,0	Hz			Frequency:	65,3	Hz	
	Power factor:		φ			Power factor:		φ	
100% Load	Power:	2003	kVA	100% Load	Remarks				Remarks
	Voltage:	439	V						
	Current:	2634	A						
	Frequency:	60,2	Hz						
	Power factor:		φ						

Acceptance test approval					
Whitnessed by:		Stamp/Signature:			
EMRI					
				Certificate number:	
				32231277	
Repair Engineer(s):	Test Engineer(s):				
ABK	EME				