

#162 West DC Generator (Drive Generator) – 1,000 kW

Machine	Direct Current Generator (Part of MGSET)			
Nameplate:	Make	GE	Armature	600VDC, 1666A
			Field	
	Power	1000KW	Exc.	125VDC
	Speed	712RPM	Ser. #:	158P270
Insulation Tests				
Armature Megger (1000VDC)			Armature Resistance by ohmmeter	
A1 to Frame:	0.3 MΩ	(410V)	A1 to A2:	0.01 Ω
A2 to Frame:	0.3 MΩ	(410V)		
Note: A1 is interpole A2 is outer ring				
Field Megger (500VDC)			Field Resistance by ohmmeter	
F1 to Frame:	0.17 MΩ	(260V)	F1 to F2:	7.65 Ω
F2 to Frame:	0.78 MΩ	(522V)	F3 to F4:	0.88 Ω

#163 AC Motor – 1,000 HP

Machine	AC Wound Rotor Motor (MGSET Prime Mover)			
Nameplate:	Make	GE	Stator	2200V, 233A
	Power	1000HP	Rotor	617V, 736A
	Speed	712RPM	Ser. #:	188P272
Insulation Tests				
Stator Megger (1000VDC)			Winding Resistance by ohmmeter	
ΦA to Frame:	1.6 MΩ	(1046V)	A to B:	0.1 Ω
ΦB to Frame:	1.6 MΩ	(1046V)	A to C:	0.1 Ω
ΦC to Frame:	1.6 MΩ	(1046V)	B to C:	0.19 Ω
Rotor Megger (1000VDC)				
ΦA to Frame:	135 MΩ	(1051V)	A to B:	0.12 Ω
ΦB to Frame:	135 MΩ	(1051V)	A to C:	0.12 Ω
ΦC to Frame:	143 MΩ	(1051V)	B to C:	0.12 Ω

#160 East DC Generator (Braking Generator) – 1,000 kW

Machine		Direct Current Generator (Part of MGSET)			
Nameplate:	Make	GE	Armature Field	600VDC, 1666A	
	Power	1000KW	Exc.	125VDC	
	Speed	712RPM	Ser. #:	158P271	
Insulation Tests					
Armature Megger (1000VDC)				Armature Resistance by ohmmeter	
A1 to Frame:	0.1 MΩ	(153V)		A1 to A2:	0.01 Ω
A2 to Frame:	0.1 MΩ	(153V)			
Note:					
A1 is interpole					
A2 is outer ring					
Field Megger (500VDC)				Field Resistance by ohmmeter	
F1 to Frame:	0.31 MΩ	(450V)		Between Leads:	0.74 Ω
F2 to Frame:	1.00 MΩ	(523V)		Between Leads:	7.44 Ω

#164 Exciter – 30 kW

Machine	Direct Current Generator (250VDC exciter)			
Nameplate:	Make	GE	Armature	250VDC, 120A
			Field	
	Power	30KW	Exc.	125VDC
	Speed	712RPM	Ser. #:	158P273
Insulation Tests				
Armature Megger (500V)			Armature Resistance by ohmmeter	
A1 to Frame:	76 MΩ	(526V)	A1 to A2:	0.6 Ω
A2 to Frame:	76 MΩ	(526V)		
Field Megger (500V)			Field Resistance by ohmmeter	
F1 to Frame:	>550 MΩ	(526V)	F1 to F2:	0.6 Ω
F2 to Frame:	>550 MΩ	(526V)		