

Customer

Name: Type test HFV series - 50 - 125kVA

Engineer: EZEQUIEL MARTINEZ

Test Centre: HIMOINSA, S.L.

Supply

Model: HFW-60 T5

 Rating: 59kVA cosφ=1 59kW
 400V 50Hz 3ph 4Wire

Class:

G3	Steady state	Transient Increase	Transient Decrease	Recovery Time (s)	Tolerance Band
Voltage:	0,66%	12,11%	-11,6%	4	
Frequency:	0,40%	4,67%	-4,60%	3	

Engine

Make:	IVECO	Type No.:	NEF45M1A
Serial No:	1804733	Speed:	1500 rpm
Governor:	ELECTRONICO DIGITAL	Battery GND:	NEG

Alternator

Make:	Mec-Alte	Type No	ECP32.1L4C
Serial No:		AVR:	DSR
Phase order:		Droop Kit:	

Test Summary

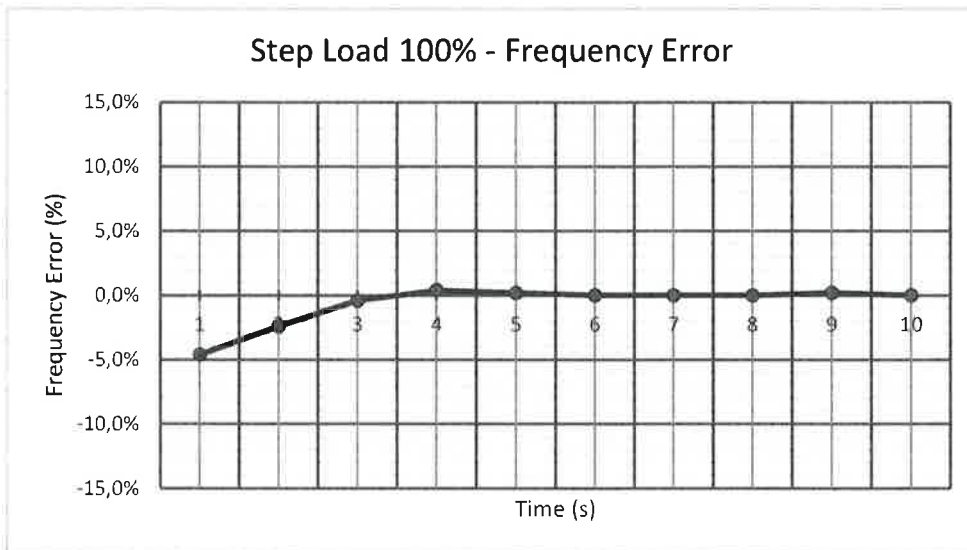
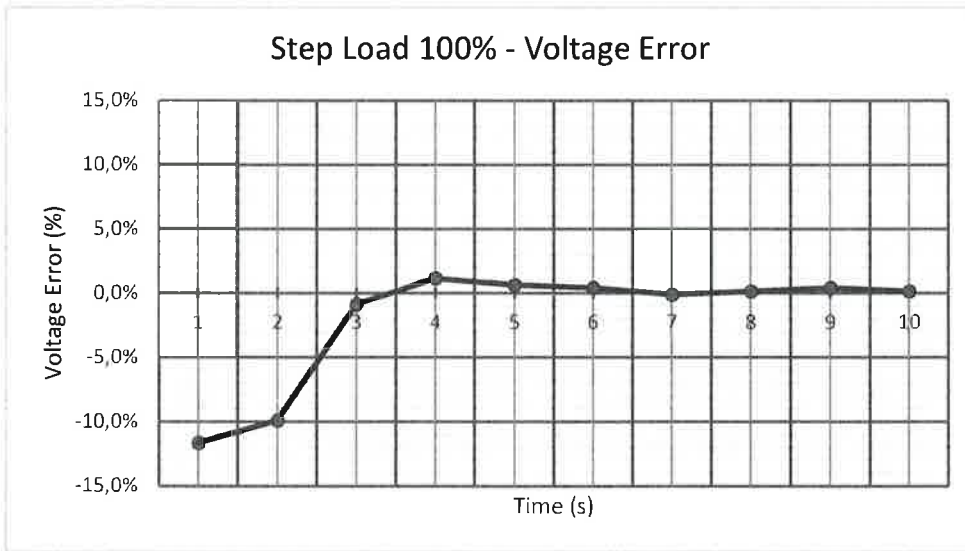
Step	Elapsed Time h:mm:ss	Power		Step Duration h:mm:ss	Power		Current A(L1)
		Power %kW	Factor cos_phi		Power kVA	Factor cos_phi	
1	0:00:00	0,0	1,00	0:01:00	0	1,00	0
2	0:01:00	25,0	1,00	0:01:01	14	1,00	20
3	0:02:01	50,0	1,00	0:02:00	29	1,00	42
4	0:04:01	75,0	1,00	0:03:00	44	1,00	64
5	0:07:01	100,0	1,00	0:06:59	59	1,00	85



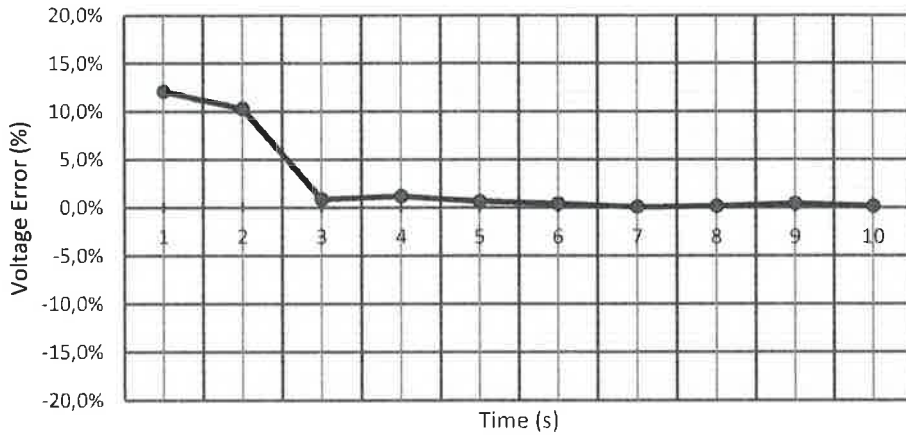
Elapsed Time	Power kVA	Power Factor cos_phi	Frequency Hz	Voltage V(L1-L2)	Voltage V(L2-L3)	Voltage V(L3-L1)	Current A(L1)	Current A(L2)	Current A(L3)
Start									
Load Accepted:	0,0%	1,00	50,1	400	400	400	0	0	0
0:00:26	0	1,00	50,1	400	400	401	0	0	0
0:00:52	0	1,00	50,1	400	400	401	0	0	0
Load Accepted:	25,0%	1,00	50,1	401	401	401	20	20	20
0:01:18	14	1,00	50,1	401	401	400	20	20	20
0:01:44	14	1,00	50,1	401	401	400	20	20	20
Load Accepted:	50,0%	1,00	50,1	399	400	399	41	41	41
0:02:10	29	1,00	50,1	400	401	403	41	41	41
0:02:36	29	1,00	50,1	401	402	403	41	41	41
0:03:02	29	1,00	50,0	401	401	402	41	41	41
0:03:28	29	1,00	50,0	401	401	402	41	41	41
0:03:54	29	1,00	50,0	401	401	402	41	41	41
Load Accepted:	75,0%	1,00	50,0	398	399	398	63	63	63
0:04:20	44	1,00	50,0	400	400	400	63	63	63
0:04:46	44	1,00	50,0	402	401	402	63	63	63
0:05:12	44	1,00	50,0	401	399	401	63	63	63
0:05:38	44	1,00	50,0	400	400	400	63	63	63
0:06:04	44	1,00	50,0	400	399	400	63	63	63
0:06:30	44	1,00	49,9	400	400	400	63	63	63
0:06:56	44	1,00	49,9	400	400	400	63	63	63
Load Accepted:	100,0%	1,00	47,7	352	361	354	96	94	96
0:07:02	59	1,00	48,8	359	361	368	94	94	92
0:07:03	59	1,00	49,8	395	406	406	86	83	83
0:07:04	59	1,00	50,2	403	408	410	84	83	83
0:07:05	59	1,00	50,1	401	406	404	84	83	84
0:07:06	59	1,00	50,0	400	405	410	85	84	83
0:07:07	59	1,00	50,0	398	402	402	85	84	84
0:07:08	59	1,00	50,0	399	405	400	85	84	85
0:07:09	59	1,00	50,1	400	406	405	85	83	84
0:07:10	59	1,00	50,0	399	401	408	85	84	83
0:07:11	59	1,00	50,0	400	402	401	85	84	84
0:07:22	59	1,00	50,0	400	401	400	85	84	85
0:07:48	59	1,00	50,0	400	400	399	85	85	85
0:08:14	59	1,00	50,0	400	399	399	85	85	85
0:08:40	59	1,00	50,0	400	400	400	85	85	85
0:09:06	59	1,00	50,0	400	399	400	85	85	85
0:09:32	59	1,00	50,0	400	399	400	85	85	85
0:09:58	59	1,00	50,0	400	399	400	85	85	85
0:10:24	59	1,00	50,0	400	399	400	85	85	85

0:10:50	59	1,00	50,0	401	399	400	84	85	85
0:11:16	59	1,00	50,0	399	399	400	85	85	85
0:11:42	59	1,00	50,0	399	399	400	85	85	85
0:12:08	59	1,00	50,0	399	399	400	85	85	85
0:12:34	59	1,00	50,0	400	399	400	85	85	85
0:13:00	59	1,00	50,0	400	399	400	85	85	85
0:13:26	59	1,00	50,0	400	399	400	85	85	85
0:13:52	59	1,00	50,0	400	399	400	85	85	85

Load Rejected at 0:14:18



Step Unload 100% - Voltage Error



Step Unload 100% - Frequency Error

