

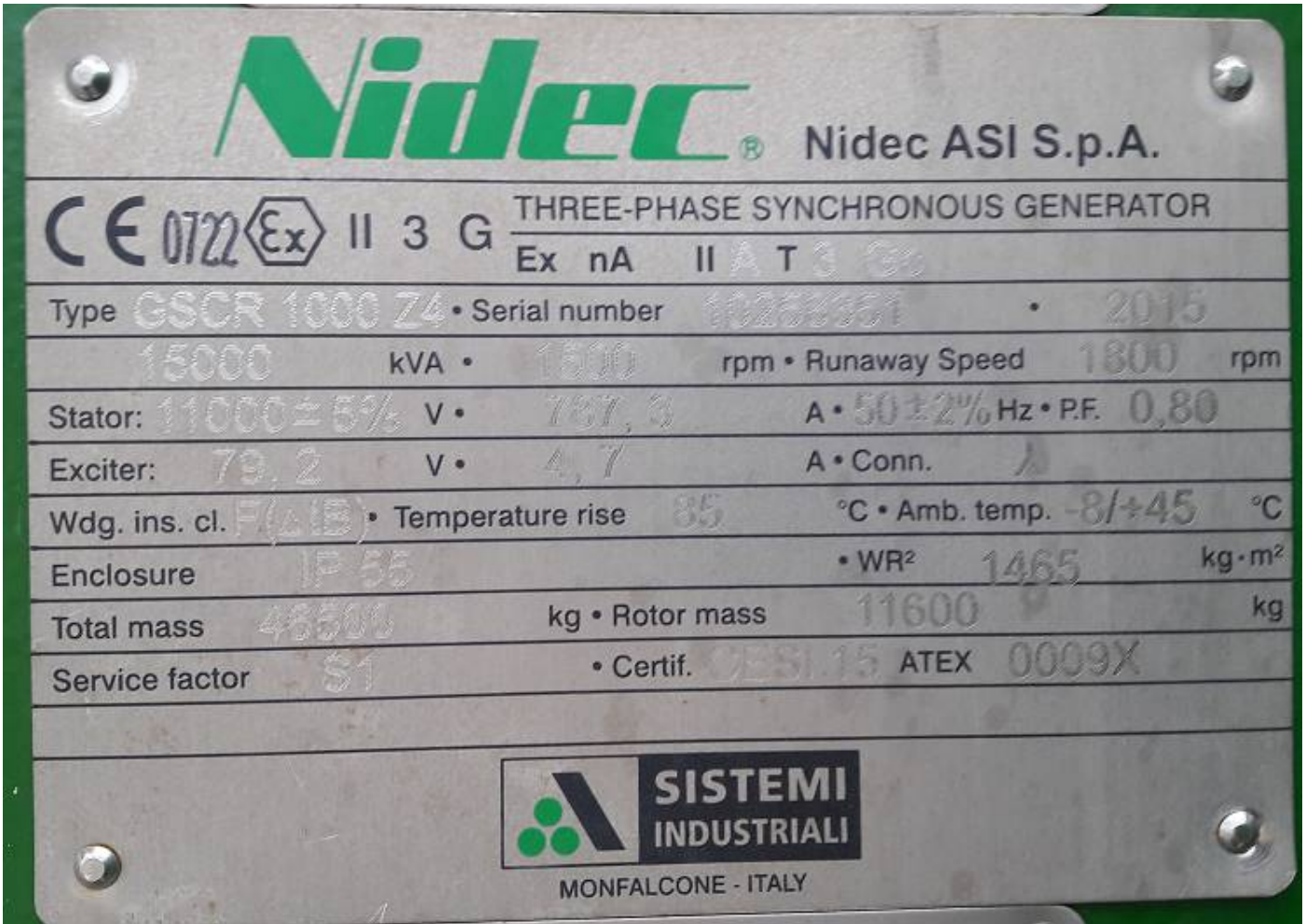
**15000 KVA  
AYDIN**



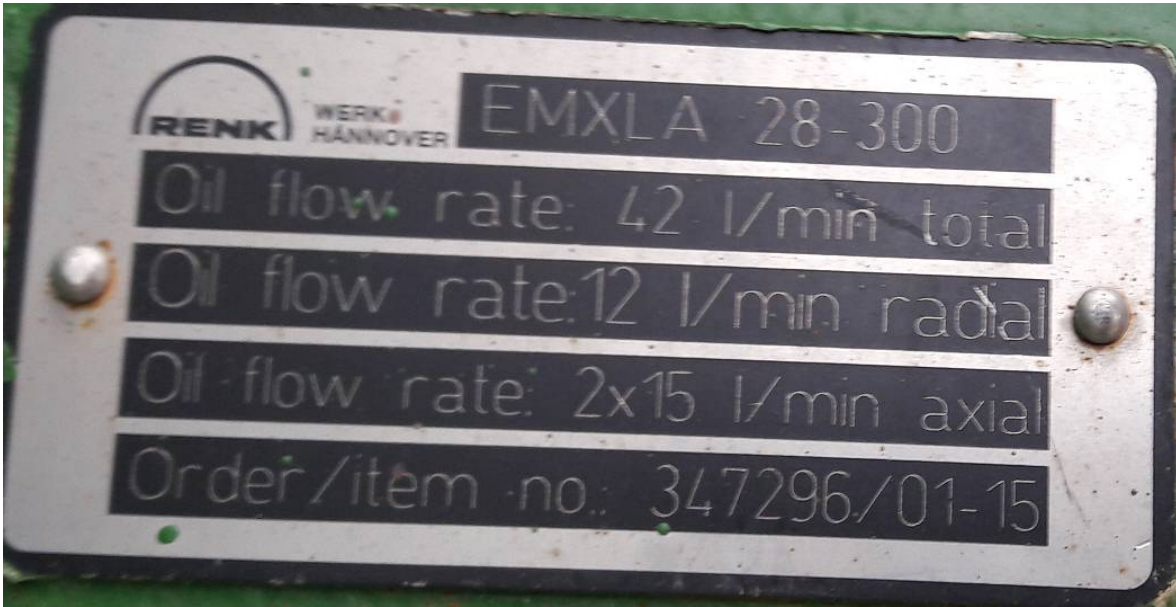
**Caner CANDEMİR**  
Service Manager

**10/01/2016**

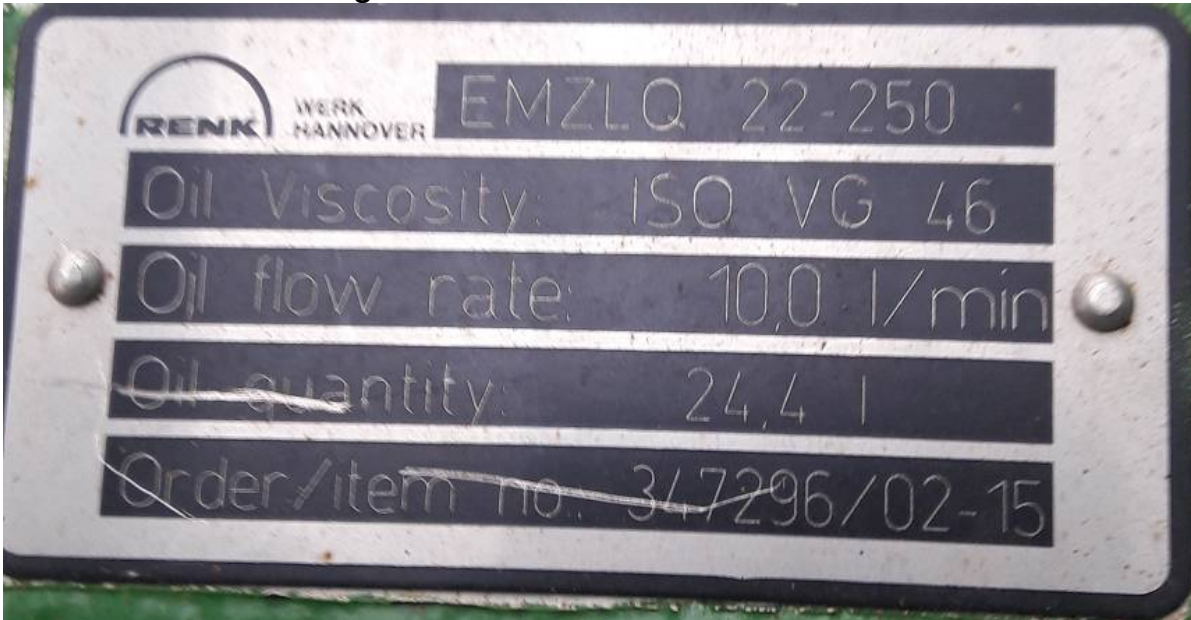
## GENERATOR LABEL



Type: GSCR 1000 Z4  
Serial number: 10258351  
P: 15000 kVA  
U: 11000 V  
I: 787,3 A.  
U<sub>exciter</sub>: 79,2 V.  
I<sub>exciter</sub>: 4,7 A.  
N: 1500 rpm



Non insulation bearing



insulation bearing (Exciter side)

## OPERATING PARAMETERS



## RUNNING INSPECTION

### HEADSET LISTENING



We listened to the voice of both bearing. There was not a problem for sound at the bearings.

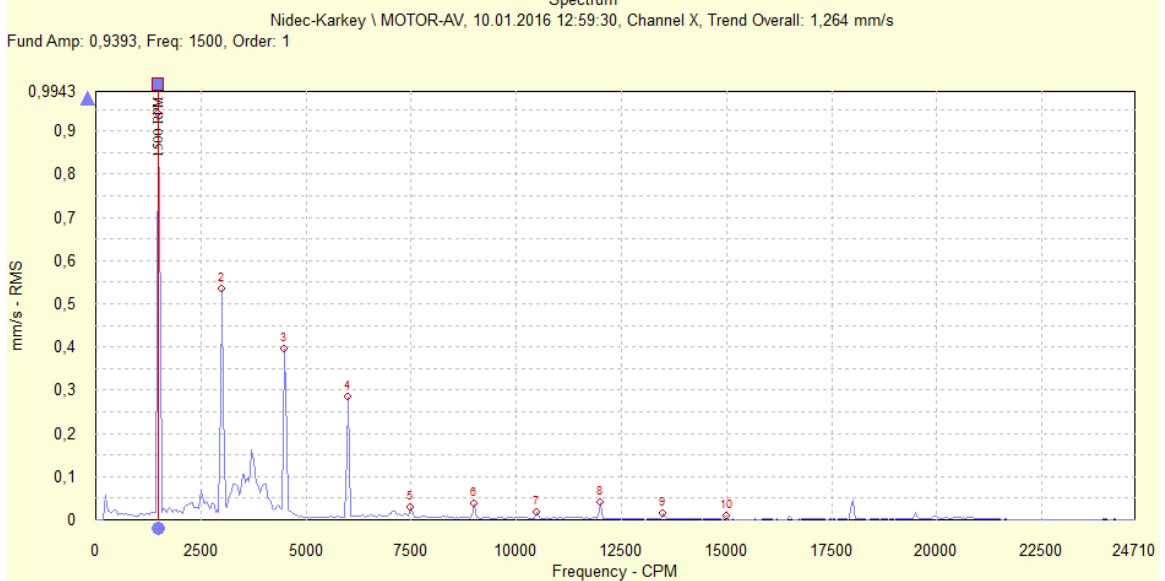
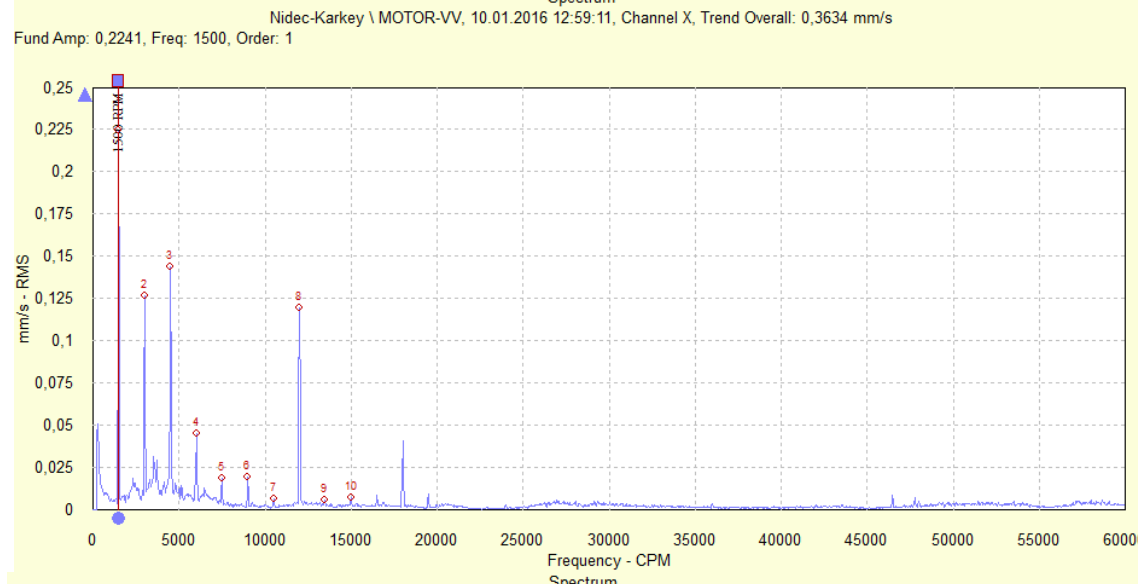
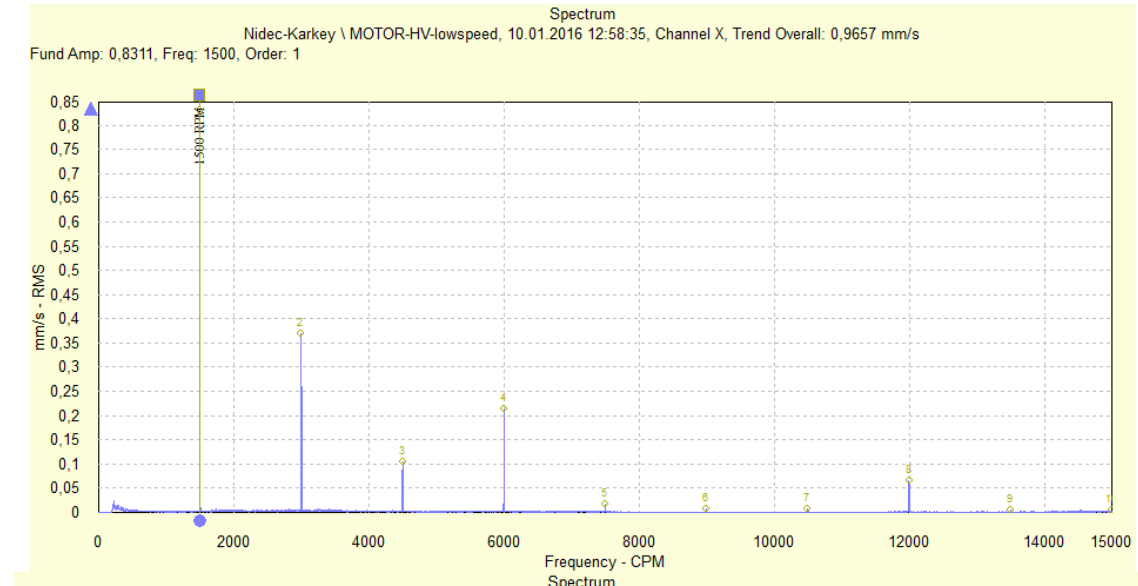
### VIBRATION ANALYSIS



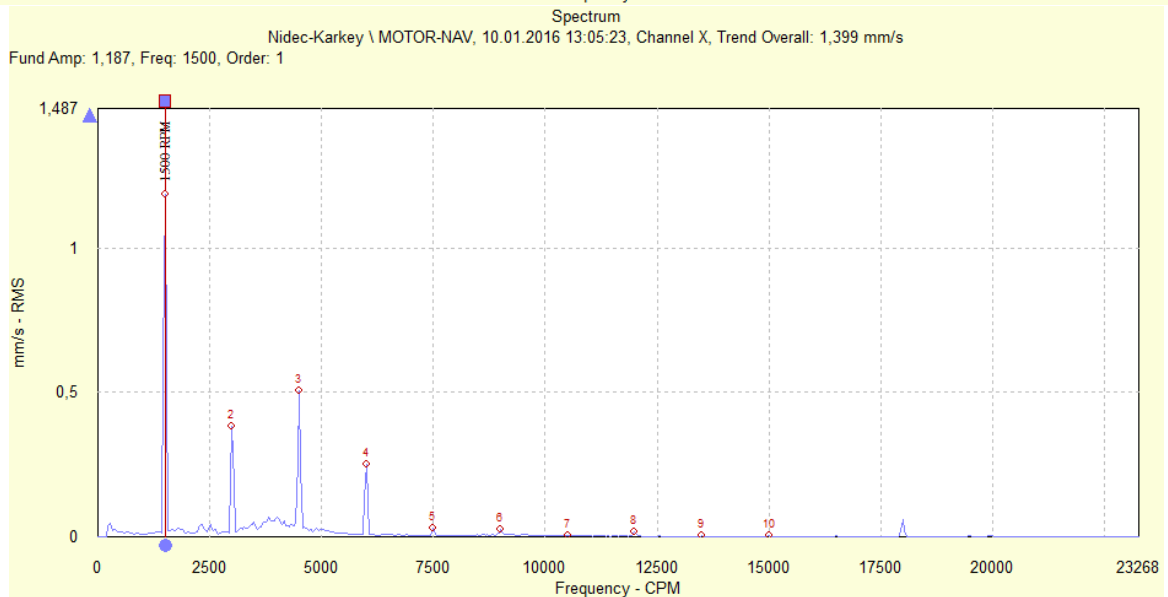
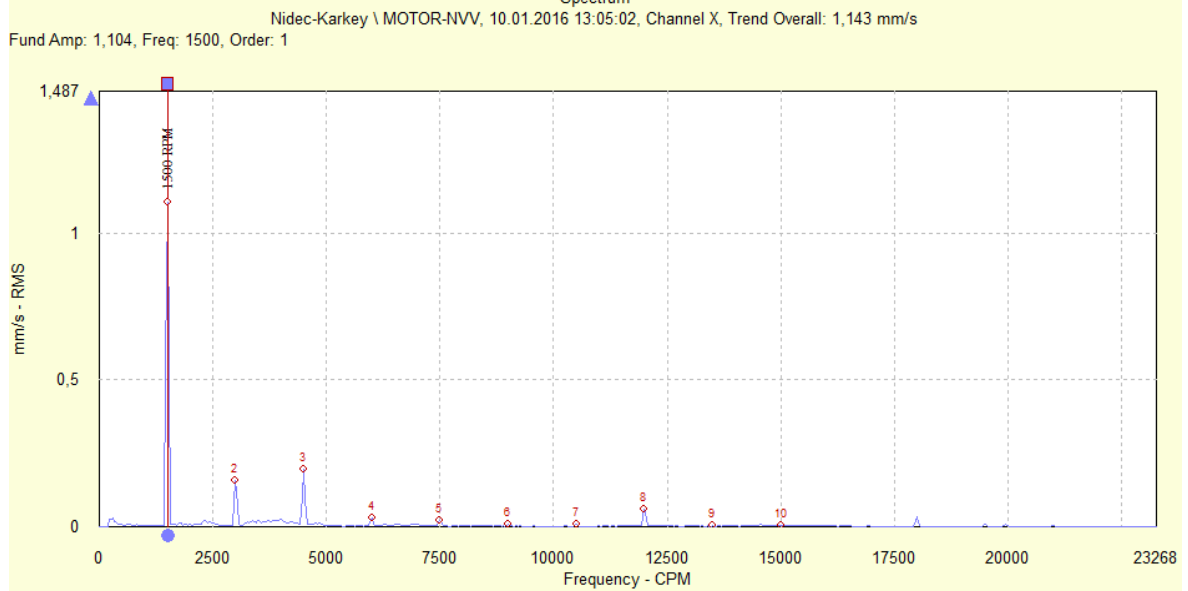
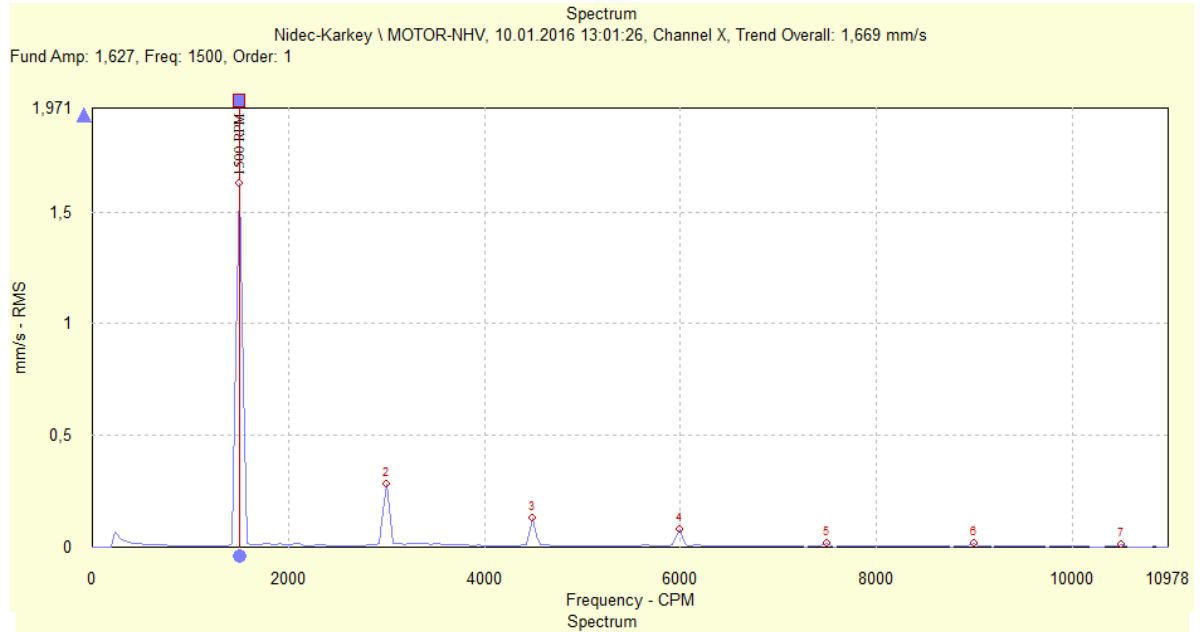
<u>Machine name</u>	<u>POINT name</u>	<u>Date/Time</u>	<u>Last value</u>	<u>Units</u>	<u>POINT description</u>
Nidec-Karkey	MOTOR-HV	10.01.2016 12:57:05	0,967	mm/s	Insulated bearing side horizontal vibration (mm/sn RMS)
Nidec-Karkey	MOTOR-VV	10.01.2016 12:59:11	0,363	mm/s	Insulated bearing side vertical vibration (mm/sn RMS)
Nidec-Karkey	MOTOR-AV	10.01.2016 12:59:30	1,264	mm/s	Insulated bearing side axial vibration (mm/sn RMS)
Nidec-Karkey	MOTOR-NHV	10.01.2016 13:01:26	1,669	mm/s	Non insulated bearing horizontal vibration (mm/sn RMS)
Nidec-Karkey	MOTOR-NVV	10.01.2016 13:05:02	1,143	mm/s	Non insulated bearing vertical vibration (mm/sn RMS)
Nidec-Karkey	MOTOR-NAV	10.01.2016 13:05:23	1,399	mm/s	Non insulated bearing axial vibration (mm/sn RMS)

is not any problems for vibration measurement for bearing

## FFT ANALYSIS



**ÖZCÜR**  
Motor & Generatör



## STROBOSKOP CONTROL



is not any problems for stroboskop control for rotating shaft  
probably sound source as coupling