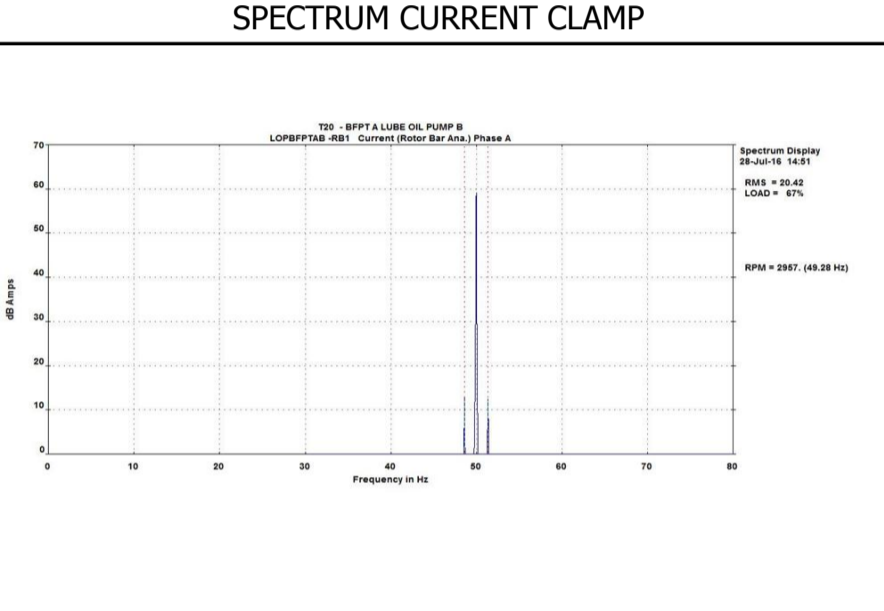
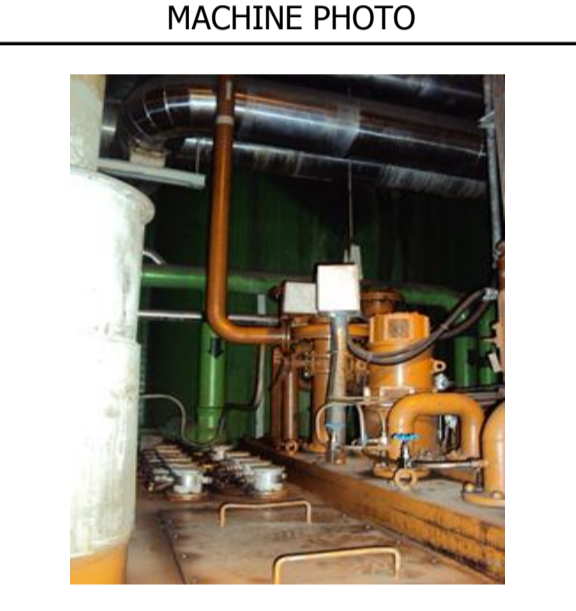


MACHINE DATA	STATUS
No. Record	NORMAL
Nama Peralatan LUBE OIL BFPT A PUMP B	
Asset ID	
MPI	
Tanggal Test 28 JULI 2016	STANDART
Jenis Tes Running Test	Electrical Apparatus Service Association
Daya 18.5 KW	54 dB Normal
Tegangan 400 Volt	45 - 54 dB Marginal Condition
Arus Start Amps	40 - 45 dB Monitoring
Arus Normal 33.9 Amps	< 40 dB Dangerous
Rotasi 2930 RPM	
Frekuensi 50 Hz	
Jumlah Rotor Bar	
Jumlah Slot	
Jumlah Pole	
Tahanan Isolasi	

SPECTRUM CURRENT CLAMP	MACHINE PHOTO
	

EXCEPTION REPORT

RESULTS OF ROTOR BAR ANALYSIS

Area: T20 --> TURBINE 20
 Equipment: LOPBFPTAB --> BFPT A LUBE OIL PUMP B
 Meas Point: RB1 --> Current (Rotor Bar Ana.) Phase A
 Motor ID: (2 Pole) Rated RPM=2930
 Frame Size: 400 - 25 Hp Rated AMPS = 33.9
 Volts/Power: 400 - 25 Hp Rotor Bars = Unknown
 Calibration has not been performed on Measurement Point RB1.
 Percent Current Imbalance = **2.6%**

SPECTRUM	DATE	TIME	RPM	%LOAD	Amps	LF - NPxSF	SLIP	CONFD
Reference	05-Nov-14	13:41	2958	67%	18.4	48.58 Hz	.712	54%
Comparison	28-Jul-16	14:51	2957	67%	20.4	48.59 Hz	.688	61%

SPECTRUM (dB)	LF - NPxSF AMPLITUDE	LINE FREQ AMPLITUDE	CALC. DELTA	ADJUSTED DELTA	ESTIMATED % BROKEN BARS
Reference	14.24	60.00	45.76	44.09	2.0
Comparison	13.77	60.00	46.23	44.55	1.9

*** ADVISORY RECOMMENDATION ***
 Rotor Analysis indicates presence of high resistance joints.
 Watch out for progressive degradation on future analyses.

Note: For aluminum cast rotors, voids in the rotor castings are equivalent to high resistance joints in fabricated rotors.

Note: Different LOAD estimated from AMPLITUDE (53%) vs SPEED (67%)! Verification of the located sideband is recommended.

ANALISA

* Dari hasil pengukuran Motor Current kondisi motor dalam keadaan baik dengan nilai dB Amplitude 44.55

* Current Phase R 20,97 * Current Phase S 21,33 * Current Phase T 20,05

* Percent Current Imbalance 3,2,6 %

KESIMPULAN

* Δdb 40 - 45 dB maka setidaknya ada satu broken rotor bar

* Percent Current Imbalance NORMAL

REKOMENDASI

* Trending pengambilan data MCSA