

MACHINE DATA	STATUS
No. Record	<b>NORMAL</b>
Nama Peralatan LUBE OIL BFPT B PUMP A	
Asset ID	STANDART
MPI	Electrical Apparatus Service Association
Tanggal Test 28 JULI 2016	
Jenis Tes Running Test	54 dB Normal
Daya 18.5 KW	45 - 54 dB Marginal Condition
Tegangan 400 Volt	40 - 45 dB Monitoring
Arus Start Amps	< 40 dB Dangerous
Arus Normal 33.9 Amps	
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

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Area: T20 --> TURBINE 20
Equipment: LOPBFPTBA --> BFPT B LUBE OIL PUMP A
Meas Point: RB1 --> Current (Rotor Bar Ana.) Phase A
Motor ID: Rated RPM=2930
Frame Size: ( 2 Pole) Rated AMPS = 33.9
Volts/Power: 400 - 25 Hp Rotor Bars = Unknown
Calibration has been performed on RB1.
The adjusted Full Load Amps is now 32.2
Percent Current Imbalance = 0.3%
  
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SPECTRUM	DATE	TIME	RPM	%LOAD	Amps	LF - NPxSF	SLIP	CONFD
Reference	09-Mar-14	09:51	2957	65%	21.5	48.65 Hz	.636	72%
Comparison	28-Jul-16	14:55	2961	62%	19.3	48.70 Hz	.639	61%

SPECTRUM (dB)	LF - NPxSF AMPLITUDE	LINE FREQ AMPLITUDE	CALC. DELTA	ADJUSTED DELTA	ESTIMATED % BROKEN BARS
Reference	3.58	60.00	56.42	54.25	0.6
Comparison	2.48	60.00	57.52	55.16	0.6

Note: Different LOAD estimated from AMPLITUDE ( 53%) vs SPEED ( 62%)! Verification of the located sideband is recommended.

### ANALISA

- \* Dari hasil pengukuran Motor Current kondisi motor dalam keadaan baik dengan nilai dB Amplitude 55.16
- \* Current Phase R 20,44 \* Current Phase S 20,47 \* Current Phase T 20,30
- \* Percent Current Imbalance 0,03 %

### KESIMPULAN

- \* Δdb > 54 dB maka motor keadaan NORMAL
- \* Percent Current Imbalance NORMAL

### REKOMENDASI

- \* Trending pengambilan data MCSA