

## LEMAG-ECI calculation results

Ship/plant: BITU ATLANTIC

Engine: MAIN ENGINE @ 103.7 RPM

Measurement date: 2019.02.05T13:05:35Z

TDC correction not performed. Cannot show TDC corrected values.

### ISO corrected results (not TDC corrected)

Cyl	Pind[kW]	p <sub>mi</sub> [Bar]	p <sub>max</sub> [Bar]	ap <sub>max</sub> [°]	REM
1	1445.2	15.6	115.4	12.0	103.7
2	1402.3	15.1	110.9	13.4	103.4
3	1372.1	14.8	113.3	11.6	103.6
4	1407.1	15.2	113.0	12.9	103.4
5	1405.7	15.2	112.0	13.6	103.2
6	1362.4	14.7	112.2	12.1	103.6

Total indicated power (ISO and not TDC corrected): 8394.8kW

### raw results (not ISO and not TDC corrected)

Cyl	Pind[kW]	p <sub>mi</sub> [Bar]	p <sub>max</sub> [Bar]	ap <sub>max</sub> [°]	REM
1	1410.3	15.2	112.6	12.0	103.7
2	1368.4	14.8	108.2	13.4	103.4
3	1339.0	14.4	110.5	11.6	103.6
4	1373.2	14.8	110.2	12.9	103.4
5	1371.7	14.8	109.3	13.6	103.2
6	1329.5	14.3	109.4	12.1	103.6

Total indicated power (raw, not TDC and not ISO corrected): 8192.2kW

### Pressure at TDC (P<sub>comp.</sub>)

Cyl	iso_tdc[Bar]	iso_TDC[Bar]	ISO_tdc[Bar]	ISO_TDC[Bar]
1	78.7	78.7	80.6	80.6
2	77.5	77.5	79.5	79.5
3	77.2	77.2	79.2	79.2
4	78.2	78.2	80.2	80.2
5	78.0	78.0	80.0	80.0
6	77.7	77.7	79.7	79.7

iso\_tdc = not ISO / not TDC corrected

iso\_TDC = not ISO / TDC corrected

ISO\_tdc = ISO / not TDC corrected

ISO\_TDC = ISO / TDC corrected

### LEMAG-ECI details

LEMAG-ECI type: ECI-MS

Serial #: 43896

Firmware: 2017-12-13 (01.02.09)

### Sensor details

Port	Type	serial#	Manufacturer	calibration	sensitivity	unit
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1	NCNE				
2	G051S	43526	PZOCR	17.639999	bar
3					
4					
5					

#### **Measurement details**

Timestamp: 2019.02.05T13:05:35Z

Comment: Generated by LEMAG /ECI-MS, firmware revision [01.02.09]

Filename: D:\data\engine01\2019\02\05130534.sce

Scavenger pressure: 1.4 [Bar]

#### **TDC correction details**

TDC corrected: no

Air inlet temperature: 51.5 [°C]

Water inlet temperature: 60 [°C]

Engine load: 56[%]

Measurement comment:

#### **Engine details**

Engine Name: MAIN ENGINE

Engine Type: 2 stroke

Engine Layout: Line engine

Manufacturer: KOBE DIESEL

Manufacturer's type: 6JEC60LA

Cylinders: 6

Bore: 600[mm]

Stroke: 1900[mm]

Conrod length: 1500[mm]

#### **Ship/plant details**

Ship/plant Name: BITU ATLANTIC

Ship/plant ID: 9382085