ANGLO BELGIAN CORPORATION

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TEST REPORT Proefb_3_ENG_Ed006

ENGINE type : 6DZC-1000-166-A	S° : 13916	M 2223	Technician: Tom	Classification society :	Page nr. 1/2
Output Ps : 1326 kW at n : 1000 rpm			Emissions: IMO II Configuration: C2 CCRII IMO II		Date: 21/01/2016

ENGINE EQUIPMENT

FUEL INJECTION EQUIPMENT

Injector - brand :	Woodward	Type :	HL1307408/71095
Opening pressure :	175 bar		Unscrewed
Injection pump - brand :	Woodward	Type :	FCV40/200BH037
Begin injection :	15,0 °CA	Setting :	Measured
Fuel booster pump :	Kracht		

SUPERCHARGING AND AIR COOLING

Turbo - brand :	KBB	Type :	2.340-21155
Aircooler - brand :	GEA	Type :	67/28/12/4 ISO-599-2001 G7
Airfilter - brand :	KBB	Type :	Filter mat M40
Regulator - brand :	Reg Europe	Type :	11158-66-25

OIL SYSTEM

Oil sump :	In Frame
Oil pump(s) :	1 single (press)

WATER CIRCUIT

Circuit :	Single (with cooling)
LT pump :	/
HT pump :	ABC

TEST SHOP EQUIPMENT

Testbench nr. :	Abensoser 4 (E2)	Type:	AVR 1000rpm
Air pressure:	1016 mbar	Rel. humidity :	53 %
Fuel :	Total	Visc. :	13W40
Type :	Cepsona Special	TBN :	12
Fuel :	Diesel +2700ml	Visc. :	5 cSt
Density	0,85 kg/dm³	S:	10 ppm
Combustion pressure meter:	42186		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
		OUTPUT				FUEL CONSUMPTION						OIL CIRCUIT					HT WATER				LT WATER							TURBINE										COMPRESSOR						
												Temperature (°C)					Temperature (°C)											Temp. exhaust before turbine (°C)					Gas pressure before turbine (bar)							Pressure (bar)		Temp. (°C)			
Test nr.	Hour/Date	Load (%)	n (rpm)	p (kW/m)	p (kWs)	Weight (kg)	Time min	Time sec	Overflow (cm³/h)	g/kWsm	kJ/kWhm	Inlet engine	Inlet cooler	Outlet cooler	Pressure inlet engine (bar)	Oil consumption	Inlet engine	Outlet engine	Outlet cooler	Pressure at pump (bar)	Temperature inlet air cooler (°C)	Pressure at pump (bar)	Governor index (%)	Exhaust temperature per cylinder (°C) / Combustion pressure (bar) / Fuel rack position (mm)					Stg.	2	3	4	Stg.	2	3	4	Exhaust temperature	Pressure after turbine (mbar)	Smoke - Bosch	Depressure Inlet (mbar)	Before aircooler	After aircooler	Before aircooler	After aircooler	Turbine speed (1/s* (rpm))	Temp. pulsing air (°C)
1	8:00	25%	630	331,5	312,9	70,5	60	0	80			69	74	48	4,3		57	75					33%	25	330	325	320	330	320	325			195									340				0,2	36	36		16
																								26	46	50	50	51	49	50																	
																								27	16,0	16,0	16,0	16,0	16,0	16,0																	
2	9:30	50%	794	663,0	639,1	137	60	0	720			72	80	54	4,7		58	76					43%	25	340	360	365	380	345	370			465									370				0,65	75	41		18
																								26	69	78	78	69	68	70																	
																								27	20,0	20,0	20,0	22,0	20,0	20,0																	
3	9:00	75%	907	994,5	957,7	202	60	0	100			73	82	66	5,1		58	76					58%	25	360	365	360	370	340	365			460									355				1,45	121	49		18
																								26	88	91	91	91	90	90																	
																								27	25,0	25,0	25,0	25,0	25,0	25,0																	
4	9:30	90%	965	1193,4	1149,2	243	60	0	1190			72	84	56	5,1		60	77					55%	25	365	360	355	370	350	360			450									315				1,90	146	54		18
																								26	108	108	107	107	107	107																	
																								27	27,0	27,0	27,0	27,0	27,0	27,0																	
5	10:30	100%	1000	1326,0	1276,9	274	60	0	1380			73	85	72	5,1		60	77					60%	25	380	370	370	390	360	370			470									120				2,70	165	58		18
																								26	116	117	117	118	115	118																	
																								27	29,0	29,0	29,0	29,0	29,0	29,0																	
6	12:00	110%	1052	1458,6	1407,5	325	60	0	1280			73	86	74	5,1		60	78					85%	25	410	410	405	420	400	410			540									140				2,90	186	61		18
																								26	119	121	122	121	122	121																	
																								27	31,0	31,0	31,0	31,0	31,0	31,0																	

CYL 1	CYL 2	CYL 3	CYL 4	CYL 5	CYL 6
20 / 23	19 3/4 / 20	20 / 20	20 1/4 / 20	19 3/4 / 20	20 / 20
19 / 18 3/4	19 / 19	19 / 19 1/4	19 1/2 / 19	18 3/4 / 18 3/4	18 1/2 / 18 1/4
18	18 1/2	18 3/4	18	18 1/4	17 3/4

REMARKS :

FOR ABC : De Meyer B. Quality manager Anglo Belgian Corporation nv

FOR CLASSIFICATIONS :

FOR CLIENT OR REPRESENTATIVE :

Federale Overheidsdienst Mobiliteit en Vervoer - Martijn Vervoer