

Bench trial of three auxiliary-Diesel-Engines

Day	hour	load	n/min	press of in air	Amp	Volt	K.W.	η_e	Hpe	Hpi	η_m	fuel/h		Water		oil		Temp of day	exhaust air			Pressure in air			Remarks		
												Kg	g/Hp	to	on	press at m	Temp before		Temp after	Temp. to	Cyl. A	Cyl. B	Cyl. C	I		I	I
Motor No 7405																											
20.3.1928.	8	1/4	422	40	218	173	37.7	72	71.2	178.5	40	22.75	319	0.7	10	19	1.3	18	17	12	260	235	210	0.8	6	40	exhaust air good
	10 ³⁰	1/2	415	55	354	173	61.1	79	105.1	204	51.5	25.0	238	0.75	10	20	1.4	24	23	12	275	260	220	1.5	10	55	
	11	1/1	405	62	545	180	98	86	155	238	65.1	31.2	201	0.8	10	29	1.8	30	29	12	340	370	345	2	10	62	
	15	110%	400	68	644	180	116	26	183.5	273	67.2	39.3	214	1.1	10	26	1.85	31	29	12	350	395	375	2	11	68	
Motor No 7406																											
25.4.1928.	8	1/4	415	37	171	175	30	0.72	56.8	150	38	18.7	329	0.7	12	30	1.4	25	24	17	230	195	220	1.5	6	37	exhaust air good
	10 ³⁰	1/2	410	45	280	175	50	0.79	86.2	165	52	20.8	242	0.7	12	32	1.4	28	26	18	200	255	240	2	6.5	45	
	11	1/1	401	62	562	180	101	0.86	160	238	67.2	32	200	0.7	13	40	1.1	33	32	23	345	360	350	3	7	62	
	14 ³⁰	110%	397	65	612	180	110	0.86	174	257	68	35.2	202	0.8	14	42	1.6	34	33	24	370	385	378	4	8	65	
Motor No 7411																											
20.3.1928.	8	1/4	415	50	85	115	9.75	75	17.7	51	34.7	6.23	35.2	0.3	10	15	1.1	17	16	12	215						exhaust air good
	10 ³⁰	1/2	410	52	144	112	16.1	80	27.4	63.6	43.1	7.4	270	0.5	10	18	1.0	20	19	12	250						
	11	1/1	405	60	300	110	33	84	53.4	88	60.7	10.85	203	0.5	10	19	0.9	25	24	12	345						
	14 ³⁰	110%	400	62	328	110	36	83	59	97.8	60.3	12.2	207	0.5	10	20	1.1	30	28	12	365						

