Cam 8.96

SHIP NAME	AND	ROMEDA LEA	DER	KW	15540		JUDGE	GOOD	NORMAL	CAUTION
ENGINE TYPE	8UEC 60LS II #10			min−1	104		MARK	0	0	×
Judgement for	main engin	e condition	<u></u>							
Mark on graph		\Diamond	Δ	×	*	0	+		•	
Date	22-May-20	22-Jul-20	13-Aug-20	02-Sep-20	-	_	-	-	_	-
Load	67. 5	65. 6	65. 1	67. 6	_	_	-	_	_	_
Te1	0	0	0	0	_	_	-	_	_	_
Te2	0	0	0	0	_	-	_	_	_	_
Tc	0	0	0	0	-	_	_	_	_	_
Ps (Mpa)	0	0	0	0	_	-	_	_	_	_
Pm(Mpa)	0	0	0	0	_	_	_	_	_	_
Pc (Mpa)	0	0	0	0	_	_	-	_	_	_
Rc or LI	0	0	0	0	_	_	_	_	_	_
Nb	0	0	0	0	_	_	_	_	_	_
Ne	0	0	0	0	_	_	_	_	_	_
Te1-Te2	×	×	×	×	_	_	_	_	_	_
A. C.	A. C. × × ×		×	_	_	_	_	_	_	
Result of calc					Standard	Output of	judgement:	Output-Rc		
Output (PS) -Rc	14265. 9	13862. 9	13755. 1	14284. 3	_	_	_	_	_	_
Output(KW)-Rc	10492. 6	10196. 2	10116. 9	10506. 1	_	_	_	_	_	_
Output (PS) -Nb	12314. 0	11629. 1	11698. 5	11831. 3	_	_	_	_	_	_
Output(KW)-Nb	9056. 9	8553. 2	8604. 2	8701. 9	_	_	_	_	_	_
Output (PS) -Be	13156. 2	12121. 9	12446. 0	12436. 9	_	_	_	_	_	_
Output(KW)-Be	9676. 4	8915. 7	9154. 0	9147. 3	_	-	_	_	1	_
		•	•	·	•	•	-	•	•	-
Rev. margin	1. 93%	1. 80%	2. 07%	0. 79%	_	_	_	_	-	_
Feed rate(qP1)	0. 73	0. 79	0. 84	0. 78	_	_	-	_	-	_
Feed rate(qA)	0. 96	1. 05	1. 12	1. 02	_	_	_	_	_	_
Running hour	113535	114247	114654	115058	-	_	_	_	-	_
Rev. margin	GOOD	GOOD	GOOD	GOOD	_	_	-	_	_	_
Cyl. oil consump.	NORMAL	NORMAL	MUCH	NORMAL	_	_	_	_	_	_

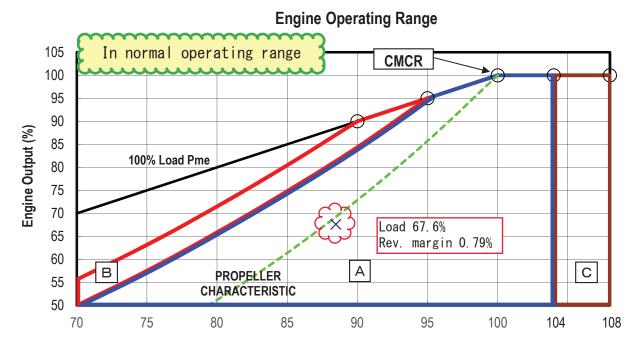
Te1, Te2 & Tc were converted into shop trial situation. The final judgement is referred to the comment.

Data 02-Sep-2020

Operational load 67.6% and Rev. margin 0.79% / In normal operating range Cyl. oil feed rate (P1) 0.78g/PSh / Normally controlled Performance trend / Normal shape M/E data sheet / Varied Pc

SHIP NAME	ANDROMEDA LEADER	KW	15540
ENGINE TYPE	8UEC 60LS II #10	min-1	104

8.96 Cam



A : Service range for normal service

Recommendable operating point of the engine for service should be lie in Range A.

B: Alarm range for service

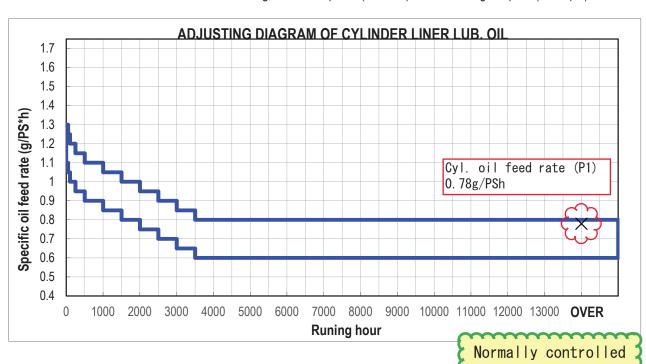
The engine condition should be always monitored. If it is expected that the operating point enters into Range B, the suitable measures such as cleaning and repainting of ship's hull shall be performed as soon as possible. When the operating point enters this range unwillingly, the operation should be limitted toless than 1 hour in every 12 hours.

Engine Speed (%)

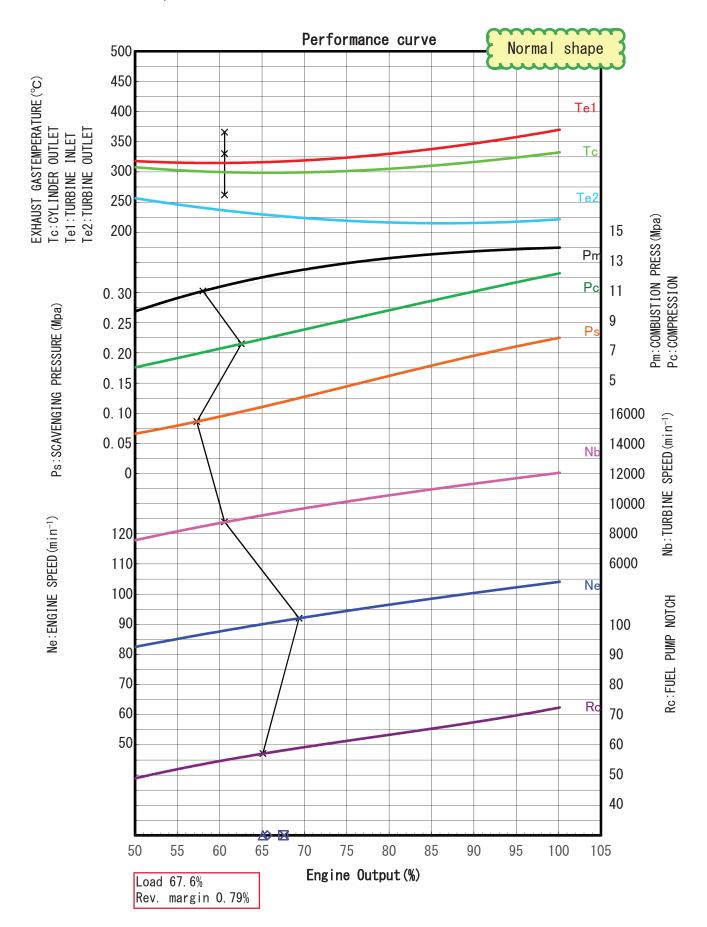
C: Allowable range only at sea traial

Service range with overspeed of 104 to 108% CMCR speed, only permissible during sea trials to demonstrate the CMCR.

CMCR: Contracted Maximum Continuous Rating, i.e. nominal power (100%PS) at nominal engine speed (100%rpm).



SHIP NAME	ANDROMEDA LEADER	KW	15540	
ENGINE TYPE	8UEC 60LS II #10	min ⁻¹	104	



MAIN ENGINE LOG - ANDROMEDA LEADER

UEC 60 LSII

Ship name ROMEDA		Owner	,	ANZ BANK	NEW ZEA	LAND LTD		kW×min ⁻¹	15,540			UE -	2583		
Date		2-Apr-20	22-May-20	22-Jul-20	13-Aug-20	02-Sep-20		KVVIIIII	1	6.6 11.2	7.6 12.1	7.1 11.2	6.9 11.0	7.5 11.3	
Weather		MODERATE	MODERATE	MODERAT	CALM	CLOUD	P.Comp		2	7.2 11.1	8.0 11.8	7.6 11.1	7.7 10.7	8.1 11.3	
Wind Direction				E	O/ (LIVI	Υ	/	P.Max.	3	7.4 10.9	7.9 11.5	7.6 10.7	7.6 10.4	8.1 11.0	
		Direction	Е	S	WSW	WNW	W	/ F.IVIAX.		4	7.5 11.2	8.0 12.0	7.7 11.0	6.8 10.5	8.0 11.2
		3	5	3	2	4			5	7.3 11.2	7.4 11.7	6.7 10.7	6.7 10.6	7.1 11.4	
Cargo load		BALLAST		BALLAST	LOADED				6	7.0 10.6	7.4 11.7	6.6 10.3	6.6 10.4	7.1 11.4	
M/E Total Running Hours				114247	114654	115058			7	7.4 11.0	7.6 11.6	6.6 10.6	6.7 10.6	7.1 10.9	
		112,724	113,535 17.3	18.3	17.7	18.4		(MPa)	8	7.7 11.2	7.6 11.7	7.1 11.0	6.9 10.6	7.5 11.0	
Ship's speed		93	93	92	92	92		(IVIF a)	Mean	7.7 11.2	7.7 11.7	7.1 10.8	7.0 10.9	7.6 11.1	
M/E Revolution (min ⁻¹)		39.6	31.4	37.7	42	39			1	383	366.0	367.0	381.0	381	
Room Temp. (°C) Sea Water Temp. (°C)						32			2	378	366.0	373.0	375.0	384	
Handle		(℃)	30.3 93	21.5 93	30.3 92	33.4 93	93	ature	Cylinder Outlet (°C)	3	388	373.0	367.0	379.0	384
-	or Notch		61.0	61	62	61	61	npera		4	405	373.0	362.0	394.0	386
Govern	T/C LO							Exhaust Gas Temperature							397
	LO		0.14	0.13	0.131	0.127	0.129			5 6	398 383	384.0 383.0	379.0 384.0	396.0 398.0	383
Pressure (MPa)	Jacket Co	ooling			0.213		0.214			7	383	383.0	375.0	398.0	383
	Fresh Wa Fuel Oil	iter	0.20	0.22	0.202	0.22	0.211	EX		8	397	386.0	383.0	399.0	393
anre	Sea Wate	er	0.61	0.62	0.61	0.62					-			-	
ress	(A/C cooling SCAV.AIR		0.23	0.19	0.26	0.23	0.25	_	-	Mean 1	389.43 426.0	374.43 417.0	372.43 405.0	388.3 423.0	386.6 420.0
L	l		0.089					Exh.Gas Temp.(°C)	Inlot		-	420.0		-	424.0
	ļ	XH.V Spring Air XH.V Driving Oil		0.71	0.71	0.7	0.7	Tem	Inlet	2	431.0	420.0	418.0	432.0	424.0
			0.45	0.45	0.361	0.37	0.364	gas.		4	224.0	207.0	200.0	224.0	240.0
F.O	Inlet Temp.		85.0	80.0	85	83	71	Exh.(0.41-4	1	321.0	297.0	306.0	321.0	319.0
VISCOSITY		(Actual)	13.0	13.0	10	13	13	T/C F	Outlet	2	322.0	305.0	313.0	325.0	317.0
1		58.0	58.0	58	56	57		A /O	-	120.0	420.0	1100	120.0	120.0	
E O D	2		57.0	57.0	57	57	57) (၄	A/C	1	120.0	120.0	116.0	120.0	120.0
F.O Pur	np	3	58.0	58.0	57	56	58	ratur	Inlet	2	115.0	114.0	118.0	115.0	115.0
Rack		4	56.0	57.0	57	57	57	Scavenging Air Temperature (°C)	Scav. Air	4	40.0	42.0	46.0	40.0	40.0
		5	58.0	58.0	56	57	57			1	42.0	43.0	46.0	46.0	48.0
		6	57.0	57.0	56	56	57			2	44.0	40.0	46.0	45.0	46.0
		7	58.0	58.0	57	57	57				50.0	50.0	50.0	50.0	50.0
		8	58.0	58.0	57	56	57	cave		1	52.0	50.0	52.0	52.0	52.0
		Mean	57.5	57.6	56.9	56.5	57.1		Trunk	2	52.0	50.0	52.0	52.0	52.0
Turbo C	harger	1	8,730	9,000	8700	8750	8820	T/C Blow		1	39.0	37.0	38.0	41.0	40.0
Revolut		2	8,760	9,010	8670	8690	8760	Inlet Ten	ip.(C)	2	39.0	37.0	38.0	41.0	40.0
(min ⁻¹)			0.745		0.005	0.700	0.700	A /O M			4.75/4.5	4.75/4.5	4 75/4 05	4 7/4 05	4.75/4.05
Mea .			8,745	9,005	8,685	8,720	8,790		ometer (kF		1.75/1.5	1.75/1.5	1.75/1.25	1.7/1.25 0.30/0.35	1.75/1.25
F.W T (°C)	EMP	In	72.4	72.1	69	70.6	70.1		ometer (kF		0.35/0.4	0.3/035	0.3/035	-	0.3/035
(0)		Out	85.0	85.0	81	81	82 42		TEMP	In	43.1 60.0	42.0	43.0	43.0	42.0 60.0
P.LO T (°C)	EMP	In	42.1	42.1	42.5	42.1				Out	ł	60.0	60.0	60.0	
Sea vvalei		Out	48.0	48.0	49	49	49	⊏conomi	zer Manor Gravity	neter (mn	65.0 0.9330	60.0 0.9273	60.0 0.9257	60.0 0.9257	60.0 0.9402
Temp (°C) (A/C cooling		In	33/34	33/35	37/38	37/37	37/38	=						-	
Thrust Temp (°C)		46/48	46/44	48/49	51/49	52/50	Fuel Oil	Sulfur		0.36	0.49	0.32	0.32	0.32	
,		45.0	45.0	45	45	45		Viscosity	roluo.	30.2	43.8	40.3	40.3	29.4	
Comsuption Community	D.O Temp (℃) F.O Mt / Day		42.4	42.5	42.5	45	42	Calorific v Stuff.B. Leak Oil (I /			42 40.0	42	42	42 40.0	42
	L.O I/Day		42.8	43.8	40.59	41.64	41.56	· ·		Day)	JAPAN	NEWARK	JAPAN		JAPAN
			60.0	60.0	60	60	60	Last Bunker Port		Handle	JAPAN	MENNARK	JAPAN	JAPAN	JAPAN
	Cyl. Oil	I / Day	360.0	360.0	384	408	384	Cylinder Adjustme		Stroke	,			,	4.55
Exh. V.Oil 1/ Day		0.0	0.0	0	0	0	-		or	1.25	1.25	1.25	1.25	1.25	
* Fill in	all items							System Oil JXTG Nippon Oil - MARINE St							
)5			
								Last Dry Dock 01-Jul-20							

Varied Pc