NAMRIA-HNC-FORM47 Rev01

REPUBLIC OF THE PHILIPPINES DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES NATIONAL MAPPING AND RESOURCE INFORMATION AUTHORITY

HYDROGRAPHY BRANCH

421 Barraca St. San Nicolas 1010 MANILA, PHILIPPINES Tel.:+63 2 2413494 Fax:+63 2 2422090 www.namria.gov.ph

, Director

CATAMARAN SURVEY VESSEL

ENGINE LOG

VESSEL	:	
MONTH	:	20
		. Commanding Office

INSTRUCTIONS

- 1. The entries in the log are to be made every four (4) hours, and all the columns applicable to the machinery will be carefully filled up.
- 2. The Log is to be kept in ordinary civil time, in which the day is reckoned from midnight to mignight.
- 3. The pressures, temperatures, revolutions, etc., as recorded, should be correct records at the time of making.
- 4. The net amount of fuel used should always be entered in the log. To check errors the tanks should be carefully measured when empty and drawn to scale. The engineer officer in charge should daily examine the tanks and see if the amount of fuel on hand corresponds with that charged in the log. In case there be a discrepancy he shall immediately report the fact to the Commanding Officer, and note it in the log, correcting the fuel account by additional entry under the daily balance, as follows: 'Remaining as per measurement this day _______ liters'. The log should in all respects show facts as accurately as they can be ascertained, hence every deficiency or should be restored as soon as it is discovered and the amount adjusted at once.
- 5. Every occasions, upon which the engines and auxiliaries are operated, with the hour of each chage of operation and its objects should be noted.
- 6. In the 'Activities 'all particulars should be recorded in respect to the wind and sea, which hav an influence on the movements of the vessel. For insance, whether there is smooth or rough sea, or a gentle, moderate, or heavy swell, the direction of the wind and sea, expressed as ahead or asterm or on the starboard or port bow, beam, or quarter. The engines commence or cease working, when the engines are examined or overhauled and the condition of the same. Any accident to the machinery together with cause, and a statement of repairs done: the quality of the fuel, and the facts about the smooth or irregular working of the engines. When the freshwater generators is in use, the number of liters produced for the ships use. Generally all information respecting the operation and condition of the machinery. Enter machinery that underwent periodic maintenance. Indicate filters or elements, etc renewed by stating reasons thereof, and conditions of parts of assembly that underwent maintenance. List quantity and brief description of engine room supplies consumed. Attach additional sheets/s if necessary.
- 7. In the 'Service Hours' column, record the operatinghours of machinery indicated.
- 8. In the 'Engine Room Supplies Consumption Summary', list the quantity and brief description of the engine room supplies consumed during the month.
- 9. In the 'Petroleum, Chemical, and Freshwater Consumption Summary', list the daily consumption on the dates indicated.
- 10. Reports major repairs of any machinery (vehicle included) by stating the following: a) machinery/installation; b) observations/possible cause of breakdown; c) damage parts; d) work done/assembly or accessories dismantled to effect repairs; include number of man-hours spent to effect repairs; e) recommendations/estimated number of man-hours necessary to complete repairs.
- 11. The entries should be made there from daily. The engineer on watch should sign the log after his watch, and the Engineering Duty Officer should examine and approve it daily. The Commanding Officer will approve the log at the month and forward it to Director, NAMRIA Hydrography Branch, Manila, Philippines.

ABBREVIATIONS

SME Starboard Main Engine
PME Port Main Engine

P Port

S Starboard

HPP Hydraulic Power Pack

FF Fire Fighting

GS General Service

SAE Society of American Engineers

ISO International Standards Organization

R22 Dichlourofloromethane

RPM Revolutions Per Minute

UV Ultra-violet

COMP Compressor

AIRCON Airconditioning Equipment

PPM Parts Per Million

GEN Generator

ME Main Engine

DO Diesel Oil

FW Freshwater

SW Seawater

FR Freezer Room

VR Vagetable Room

CR Cool Room

PSR Port Steering Room

SSR Starboard Steering Room

DES Desalinator

MACHINERY		SEI	RVICE HOU	RS		ACTIVITIES					
		SINCE L/OH	TODAY	TOTAL		AOTIVITIEO					
PME											
SME											
GEN N	D. 1										
GEN N	D. 2										
AUXILIARY GE	NERATOR										
OBM (Sk	(IFF)										
OBM (RUBBE	R BOAT)										
	COMP 1										
AIR CON	COMP 2										
CON	COMP 3										
	COMP 4										
HYDRAULIC	PUMPS										
ROCKCRUS	H HPP										
STEERING GE	AR PUMP										
SEWAGE TREATM	MENT PLANT										
	BILGE										
PUMPS	FF & GS										
FUIVIF3	FF										
	FW										
DESALIN	ATOR										
					Approved :	Certified Correct :					
					Commanding Officer	Engineering Duty Officer					

ENGINEER'S LOG, NAMRIA Survey Vessel	20
MAIN ENGINES	

MAIN E	NGIN	IE5									
	ES	SS	ES		BATTERY	PRESS	URE kPa	TEMPERATURES " °C			
WATCH	ENGINES	HOURS	MINUTES	RPM	VOLTAGE V	OIL	TRANS OIL	COOLANT	EXHAUST, X100		
00.04	Р										
00 04	S										
04.00	Р										
04 08	08 S										
08 12	Р										
06 12	S										
12 16	Р										
12 16	S										
16 20	Р										
10 20	S										
20 24	Р										
20 24	S										

STEERIN HYDRAI	IG GEAR JLIC OIL		SEWAGE TREATMENT PLANT													
TEMP.	PRESS.		VOLTMETER		SEA H2O PRESS., kPA											
°C	kPA	AC	DC	DC Amp	INLET	DISCHARGE	FLUSHING									

GENERATORS

			ш		ERY		SURES Pa	TE	MPERAT	URES " ()	FRE-			-	0.1		2470	_				TOR OR								
WATCH	GEN IN USE	RPM	RUNTIME	UEL USED LITERS	GINE BATT VOLTAGE	OIL	FUEL	ENGINE	OIL	FUEL	NLET.	Hz	V	/OLTA(Volts			ENEF JRRE			BU	JS VOLT	AGE	GENERATOR FACTOR	ACT CONFI				LO	AD		
				<u> </u>	ENG			COC	012	TOLL	2		11-12	12-13	13-11	11	12	13	EARTH	11-12	12-13	13-11	AVG LAG	V	Hz	kW	kVA	kVAr	kWh	kVAh	kVArh
00 04																															
04 08																															
08 12																															
12 16																															
16 20																															
20 24																															

DAILY REPORT	DIESEL OIL	LUBRICATING	3 OIL , liters	OIL , liters HYDR		REFRIGE-	BATTERY SOLUTION	DISTILLED	Oll Dispersant III I	Maio Fauire Occlera	GENERATOR Coolant	WATER	GASOLINE
DAILI KLI OKI	liters	SAE 15W/40	SAE 30	ISO46	ISO68	RATION OIL liters	BATTERY SOLUTION	WATER	OIL Dispersant High grade solvent	wain Engine Coolant	Liters	Liters	Liters
On Hand Last Report													
Recieved/Purchased/Produced													
Total To Be Accounted For													
Consumed In Ship Operations													
Issued For: 1. Generator													
2. Skiffs													
3. Service Vehicle													
4. Main Engine P/S													
Total On Hand This Report													

PETROLEUM, CHEMICAL AND FRESHWATER CONSUMPTION

CONSUMPTION SUMMARY THIS MONTH				HYDRAULIC OIL, Liters ISO46/68	GEA Lit	R OIL ers	REFRIGERATION OIL, Liters	AIR COMPRESSOR OIL, Liters	GASOLINE Liters	R22 kgs.	GREASE kgs.	ENGINE INHIBITOR Liters	ANTIFOU- LANT Liters	WATER Liters
	Liters	SAE 15W/40	SAE 30	ISO46/68	68	150	OIL, LILEIS	OIL, Liters	Liters	kgs.	kgs.	Liters	Liters	Liters
on hand last report														
Received/Purchased/Produced														
Total to be accounted for		<u> </u>												
DATE						_ C O	NSUMPT	TION						
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29														
30														
31														
Total Consumption														
Total on Hand This Report														

ROOM SUPPLIES CONSUMED	
Approved and Forwarded :	Certified Correct :