

NAMRIA-HNC-FORM47 Rev01

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

HYDROGRAPHY BRANCH

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_____, Director

CATAMARAN SURVEY VESSEL

ENGINE LOG

VESSEL : _____

MONTH : _____ 20____

_____, Commanding Officer

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	SERVICE HOURS			ACTIVITIES
	SINCE L/OH	TODAY	TOTAL	
PME				
SME				
GEN NO. 1				
GEN NO. 2				
AUXILIARY GENERATOR				
OBM (SKIFF)				
OBM (RUBBER BOAT)				
AIR CON	COMP 1			
	COMP 2			
	COMP 3			
	COMP 4			
HYDRAULIC PUMPS				
ROCKCRUSH HPP				
STEERING GEAR PUMP				
SEWAGE TREATMENT PLANT				
PUMPS	BILGE			
	FF & GS			
	FF			
	FW			
DESALINATOR				
Approved :			Certified Correct :	
Commanding Officer			Engineering Duty Officer	

