

# **Lubrication Schedule**

Ship Name:	HMCC Seeker
IMO No.	9234795
Hull No:	594852
Builder:	Damen Shipyards
Year Built:	2001
Ship Type:	Customs Patrol Vessel
DWT:	0
Owner/Customer:	UK Border Force
Authorised By:	Barry Sullivan



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### **Lubricants Summary**

#### **Lubricating Oils**

MHP 153	Shaft Bearing	Bearings
	Stern Tube	Bearings & Seals
	General Oiling	Oil Points
	Gearbox	Enclosed Gears
CRB Multi 15W-40 CI-4/E7	Emergency Fire Pump Engine	Crankcase
	Salvage Pump Engine	Crankcase
	Boarding RIB Engine	Crankcase
	Auxiliary Engine	Crankcase
	Main Engine	Crankcase
Alpha SP 150	Capstan	Enclosed Gears
	MOB Boat Davit	Enclosed Gears
	Bow Thruster	Enclosed Gears
Alpha SP 220	Anchor Winch	Enclosed Gears
Transmax Dex III Multivehicle	Boarding RIB Engine	Gearbox
	Boarding RIB Engine	Hydraulic Bucket System
Hyspin AWH-M 100	Purifier for Fuel Oil	Enclosed Gears
Hyspin AWH-M 15	Boarding RIB Engine	Steering System
Hyspin AWH-M 46	Steering Gear	Hydraulic System
	Stabilisers	Hydraulic System
	MOB Boat Davit	Reduction Gears
	Deck Hydraulic Powerpack	Hydraulic System
Hyspin AWH-M 68	CPP Unit	Hydraulic System
Aircol SW 68	Air Conditioning Compressor	Crankcase System
Rustilo DW 330	Spare Parts	Brush Applied

#### Greases

BioTac MP

MOB Boat Davit General Greasing (Deck Machinery) Open Gears & Wire Ropes Grease Points



BioTac MP Spheerol SX 2 Open Gears & Wire Ropes Steering Gear Rudder Carrier Emergency Fire Pump MOB Boat Davit General Greasing (Below Decks) Electric Motors, Pumps & Fans Brush Applied Bearings Grease Points Grease Points Grease Points Grease Points Grease Points



## **Liability Disclaimer**

This Lubrication Schedule has been prepared on the following basis (which the Owner / Customer acknowledges and accepts by making use of it):

(i) The preparation of this Lubrication Schedule is governed by our standard Terms & Conditions of Sale (a copy of which can be found at the back of your Marine Lubricants Agreement and/or is available on request).
(ii) In recommending which of our lubricants is most suited to a given piece of machinery, we have relied on information about that machinery which you or a third party have provided to us orally or in writing. Accordingly, we do not accept any liability for any inaccuracy in that information. If you become aware of any such inaccuracy, you should inform us immediately.

(iii) This Lubrication Schedule replaces all previously dated lubrication recommendation schedules & surveys, which should be removed from use and destroyed.



# **NOTES**

<u>Number</u>	Short Note	Long Note
A1	Applicable to All	In some circumstances grade names may vary dependent on region. For more information please refer to the directory of marine services (DMS) or your local supply contact



## **Machinery Lubricants**

Category	Application	Castrol Recommendation	Notes	
MAIN PROPULSION				
Main Engine Caterpillar 3516 B TA HP	Crankcase	CRB Multi 15W-40 CI-4/E7		
<b>Shaft Bearing</b> Railko CY 160 LS	Bearings	MHP 153		
<b>Stern Tube</b> JCM MK2-M	Bearings & Seals	MHP 153		
CPP Unit Kamewa	Hydraulic System	Hyspin AWH-M 68		
<b>Gearbox</b> Reintjes WLS 930	Enclosed Gears	MHP 153		
PROPELLER UNITS and THRUS	PROPELLER UNITS and THRUSTERS			
<b>Bow Thruster</b> Promac FP 70/580	Enclosed Gears	Alpha SP 150		
STEERING GEAR				
Steering Gear Sperry	Bearings Hydraulic System	Spheerol SX 2 Hyspin AWH-M 46		



<u>Category</u>	Application	Castrol Recommendation	Notes
Rudder Carrier	Grease Points	Spheerol SX 2	
POWER GENERATION			
Auxiliary Engine Caterpillar 3304B DI-T	Crankcase	CRB Multi 15W-40 CI-4/E7	
EMERGENCY MACHINERY			
Bow Thruster Promac FP 70/580	Enclosed Gears	Alpha SP 150	
Emergency Fire Pump - Stirling Fluids	Grease Points	Spheerol SX 2	
Emergency Fire Pump Engine Lombardini 15LD	Crankcase	CRB Multi 15W-40 CI-4/E7	
Emergency Fire Pump Engine Motorenfabrik HATZ 1B30	Crankcase	CRB Multi 15W-40 CI-4/E7	
ENGINE ROOM ANCILLARY MACHINERY			
<b>Purifier for Fuel Oil</b> GEA Westfalia Separator OTC 2-02-137	Enclosed Gears	Hyspin AWH-M 100	
<b>Stabilisers</b> Vosper Hovermarine 200	Hydraulic System	Hyspin AWH-M 46	



Category	Application	Castrol Recommendation Notes
HOTEL SERVICES		
Air Conditioning Compressor	Crankcase System	Aircol SW 68
DECK MACHINERY		
<b>Salvage Pump Engine</b> Yanmar Marine System L48	Crankcase	CRB Multi 15W-40 CI-4/E7
Anchor Winch Kraaijeveld	Enclosed Gears	Alpha SP 220
Capstan IMT C303, EKS 1150	Enclosed Gears	Alpha SP 150
Deck Hydraulic Powerpack - Koppen & Letherm	Hydraulic System	Hyspin AWH-M 46
LIFEBOAT MACHINERY		
<b>MOB Boat Davit</b> SEC Davits BV	Enclosed Gears Reduction Gears Open Gears & Wire Ropes Grease Points	Alpha SP 150 Hyspin AWH-M 46 BioTac MP Spheerol SX 2
<b>Boarding RIB Engine</b> Yanmar Marine System 6LP	Crankcase Gearbox Steering System Hydraulic Bucket System	CRB Multi 15W-40 CI-4/E7 Transmax Dex III Multivehicle Hyspin AWH-M 15 Transmax Dex III Multivehicle
Yanmar Marine System	Gearbox Steering System	Transmax Dex III Multivehicle Hyspin AWH-M 15



<u>Category</u>	Application	Castrol Recommendation	Notes
GENERAL LUBRICATION			
General Oiling	Oil Points	MHP 153	
General Greasing (Below Decks)	Grease Points	Spheerol SX 2	
General Greasing (Deck Machinery)	Grease Points	BioTac MP	Plain Bearings only
Open Gears & Wire Ropes	Brush Applied	BioTac MP	
Spare Parts	Brush Applied	Rustilo DW 330	
MISCELLANEOUS			
Electric Motors, Pumps & Fans	Grease Points	Spheerol SX 2	