

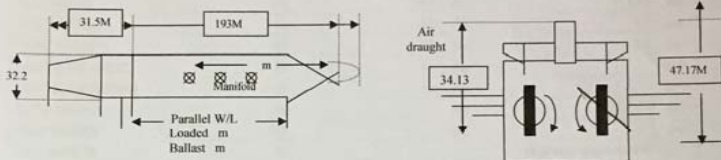
SPRING MARINE BULK S.A.

Integrated Management System Manual 7.2

N 011b PILOT CARD

VESSEL'S PARTICULARS

NAME	MV NENITA		CALL SIGN	V7SY9	
DISPLACEMENT (tonnes)	76580	DEADWEIGHT (tonnes)	66,581	YEAR BUILT	07/2006
LOA (m)	225	BREADTH (m)	32.20	BULBOUS BOW	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
UKC	1.30 m	Overhead Clearance	34.13 m	ECDIS used for navigation	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
DRAUGHT FWD (m)	13.02	DRAUGHT AFT (m)	13.04	DRAUGHT AMIDSHIPS (m)	13.09
PORT ANCHOR (shackles)	11	STBD ANCHOR (shackles)	11	(1 shackle = 27.4 m/15 fathoms)	



Critical areas of the piloting passage were thoroughly discussed and the safe speed to avoid Wave Wash effect and consequent damages was agreed

ENGINE

TYPE OF ENGINE	DIESEL ENGINE 'B&W 7350MC C1 SET		MAXIMUM POWER	9230 (KW)	12549 (HP)
	RPM / PITCH	LOADED SPEED	BALLAST SPEED		
FULL SEA SPEED	102	14.0 (kts)	14.5 (kts)		
FULL AHEAD	70	10.0 (kts)	10.2 (kts)		
HALF AHEAD	63	9.0 (kts)	7.9 (kts)		
SLOW AHEAD	48	6.9 (kts)	6.4 (kts)		
DEAD SLOW AHEAD	39	6.9 (kts)	6.9 (kts)		
DEAD SLOW ASTERN	39	5.6 (kts)	5.6 (kts)		
SLOW ASTERN	48	6.9 (kts)	6.9 (kts)		
HALF ASTERN	63	9.0 (kts)	9.0 (kts)		
FULL ASTERN	70	10.0 (kts)	10.0 (kts)		
ENGINE CRITICAL RPM	50-61 RPM	MAXIMUM NO. OF CONSECUTIVE STARTS		12	
TIME FULL AHEAD TO FULL ASTERN (sec)	20 mins	TIME LIMIT ASTERN (min)			

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STEERING

RUDDERS	2 (number)	TOKEMIC-PR-6512-EI-SS2 (type)	35 DEGREES (max.angle)
TIME HARD OVER TO HARD OVER	23 (sec)	RUDDER ANGLE FOR NEUTRAL EFFECT	
PROPELLERS	1 (number)	BOW THRUSTER	NIL (KW/HP) STERN POWER (KW/HP)
STEERING IDIOSYNCRASIES			
	RPM / PITCH	LOADED SPEED	BALLAST SPEED
FULL SEA SPEED	102	14.0 (kts)	14.5 (kts)
FULL AHEAD	70	10.0 (kts)	10.2 (kts)
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SLOW ASTERN	48	(kts)	(kts)
HALF ASTERN	63	(kts)	(kts)
FULL ASTERN	70	(kts)	(kts)
ENGINE CRITICAL RPM	50-61 RPM	MAXIMUM NO. OF CONSECUTIVE STARTS 12	
TIME FULL AHEAD TO FULL ASTERN (sec)		TIME LIMIT ASTERN (min) 20 min	

EQUIPMENT CHECKED AND READY FOR USE

ANCHORS	600	CLEAR AWAY	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
WHISTLE	600		
FLAGS	600		
X-BAND RADAR	600	ARPA	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
S-BAND RADAR	600	ARPA	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
SPEED LOG	600	WATER <input type="checkbox"/> / GROUND <input type="checkbox"/>	
ECHO SOUNDER	600		
ELECTR. POSITION FIX.	600	TYPE JLR-7700MK II	
COMPASS SYSTEM	600	GYRO COMPASS ERROR	0.5W
STEERING GEAR	600	NO. OF POWER UNITS IN USE	2
RUDDER/RPM/ROT INDICATORS	600	ENGINE TELEGRAPHS	600
VHF	600		
MOORING WINCHES AND LINES	600		
MAX PERMISSIBLE BOLLARD PULL	1255KN		

OTHER IMPORTANT DETAILS

MASTER NAME	CAPT. REYNOSO D. NOYA	SIGNATURE	[REDACTED]	DATE	11/18/16	DD/MM/YY
PILOT NAME	[REDACTED]	SIGNATURE	[REDACTED]	DATE	11/18/16	DD/MM/YY