

MARINE ENGINE CHECKLIST Serial: Eng - A1125601 Customer: VIN: Registration: Date: 8/10/2022 Hours: Location: Breakwater villas Asset: Reel Hab PASS X FAIL CHANGED N/A **ENGINE OIL ENGINE OIL FILTER** PASS X FAIL CHANGED N/A PASS X FAIL CHANGED N/A **FUEL FILTER** PASS X FAIL CHANGED N/A **FUEL CONDITION** AIR FILTER PASS X FAIL CHANGED N/A PASS X FAIL CHANGED N/A FUEL SEDIMENT/RACOR FILTER CONDITION **FUEL CONTAMINATION** PASS | FAIL | Filters had some debris PASS X FAIL CHANGED N/A **BELTS** PASS X FAIL CHANGED N/A **COOLANT LEVEL & CONDITION COOLANT LEAKS** PASS X FAIL PASS X FAIL COOLANT HOSES RUBBING/CHAFFING CLEAN X REPLACE N/A HEAT EXCHANGER STRAINERS

BATTERY TERMINALS & CLAMPS	PASS X FAIL CHANGED N/A	
BATTERY CABLES CONDITION, SECURITY & REPLACEMENT DATE	PASS X FAIL	
ENGINE MOUNT CONDITION	PASS X FAIL	
SEA WATER HOSE CONDITION	PASS X FAIL	
RAW WATER PUMP CONDITION	PASS X FAIL	
SEA WATER LEAKS	PASS X FAIL	
ANODES	PASS X FAIL REPLACED	
AIR INTAKE & EXHAUST SYSTEM LEAKS	PASS X FAIL	
VALVE LASH ADJUSTMENT HISTORY	CHECKED	
VEE BELT CONDITION	PASS X FAIL CHANGED	
FUEL HOSE CONDITION	PASS X FAIL CHANGED N/A	
DRIVE LUBE BOTTLE	PASS FAIL	Nil
ENGINE MANUFACTURER'S ROUTINE SERVICE PROCEDURES	COMPLETED X	
VESSEL CLEANED	COMPLETED X	
FURTHER COMMENTS Generator has some corrosion on guards		
Vessel clean		

BELCHER	DIESEL	SERVIC
Dofoult Sit	_	

INTERPRETED BY

REEL HUB ENG GENSET ENGINE GENSET -

UNIT INFORMATION

M/M: KOHLER PLEASE ADVISE

(KOHLER GENSET)

S/N: REEL HUB ENG GENSET

JUMPUNEN	INFORMATIC

Make :

Model : S/N :



Condition Monitoring Centre

PREVIOUS SAMPLE TOOK 0 DAYS TO REACH LAB

Express Post Satchels can be recycled. Please return any unused satchels

CORRECTIVE ACTION MAY BE REQUIRED

DATE 19/09/2022 LCN 17838113

MAINTENANCE

Viscosity is slightly low for oil grade indicated @ V40 test. Sample contains minor fuel dilution. Low viscosity may be due to fuel dilution. Silicon is high. Lead is slightly high. Manganese is slightly high. All other completed test results appear acceptable. Suggested Action: Inspect the used oil filters for abnormal debris. Check screens for abnormal debris. Monitor oil level in compartment. More samples are needed to establish a trend. Resample after 50 hours. Sample Notes:

CURRE	T SAMPLE TOOK 4 DAY	S TO REACH LAB	NTERPRETED BY	Wesley Primrose	ANALYSED BY	shabrow	MAINTENANCE	
					DATE		LC	V

ANALYSED BY

IDEN	т		SAM	PL	E INFOR	RMATIC	N							ELEN	/IENT	AL A	NALYS	SIS					FT	IR AN	IALYS	sis		MISC	
SMU	Е	СМИ	FMU	С	SAMPLE DATE	LAB DATE	LCN	OIL ADD	Cu Copper	Fe Iron	Cr Chromium	Pb Lead	A I A l uminium	Si Silicon	Sn Tin	Ni Nickel	Mn Manganese	V Vanadium	Ti Titanium	Ag Silver	Sb Antimony	S Su l fur	UST Soot			USUL Sulfation	TBN Base #	RULER	 RPVOT Rotating Pressure V
82	В	82		N	19/Sep/22	23/Sep/22	17838113	0.00	9	17	2	4	3	206	2	<1	8	<1	<1	<1	<1	5250	<1	19	8	23			

IDEN [®]	Т		FL	.UID	CHAR	ACT	ERIST	ics									PHYS	SICAL	TES	TING					PAR	TICLE	ANAL	YSIS		
SMU	Е	OIL BRAND	OIL GRADE	Ca Ca l cium	Mg Magnesium	Zn Zinc	P Phosphorus	Mo Molybdenum	Boron	Ba Barium	Cd Cadmium		V100 Vis. 1000		Na Sodium	K Potassium	WAT Water	WKF Water PPM	OH Hydroxyl	Li Lithium	PQ PQ Index		GLYC Glycol			PC38 >38 µm		ISO ISO 4406	ISO4407 ISO 4407	AN Acid Numb
82	В	PROLUBE	15W40	893	736	905	795	41	35	1	<1	80	13.1	2.4	14	2	0.1			<1	5	NB								

BELCHER DIESEL SERVICE
ATTN: BRAD BELCHER
PO BOX 515
THURINGOWA CENTRAL, QLD ,Australia 4817

BELCHER DIESEL SERVICE	
Default Site	

INTERPRETED BY

REEL HUB ENG PORT ENGINE DIESEL PORT

UNIT INFORMATION

M/M: KOHLER PLEASE ADVISE

(KOHLER)

S/N : REEL HUB ENG PORT

COMPONENT IN	

Make : Model :

S/N

:

SHOP JOB/SEGMENT

Condition Monitoring Centre

Express Post Satchels can be recycled. Please return any unused satchels.

NO ACTION REQUIRED

PREVIOUS SAMPLE TOOK 0 DAYS TO REACH LAB

DATE 19/09/2022 LCN 17838114

age appear acceptable. All other completed test results appear

MAINTENANCE

Viscosity acceptable for oil grade indicated. Wear levels below the 5 micron range appear acceptable. All other completed test results appear acceptable. Suggested Action: More samples are needed to establish a trend. Please confirm hours on oil with next sample. Continue sampling at regular intervals. Sample Notes:

CURRENT SAMPLE	TOOK 4 DAYS TO REACH LAB	INTERPRETED BY	Wesley Primrose	ANALYSED BY	shabrow	MAINTENANCE		
				DAT	Ε		CN	

ANALYSED BY

IDEN	Т		SAM	PLI	E INFO	RMATIO	N							ELEN	/IENT	AL AI	NALY:	SIS					FT	IR AN	IALYS	sis			MISC		
SMU	Е	СМИ	FMU	С	SAMPLE DATE	LAB DATE	LCN	OIL ADD	Cu Copper	Fe Iron	Cr Chromium	Pb Lead	Al Aluminium	Si Silicon	Sn Tin	Ni Nickel	Mn Manganese	V Vanadium	Ti Titanium	Ag Silver	Sb Antimony	S Su l fur				USUL Sulfation		COL Colour		MPC e Patch Co	RPVOT Rotating Pressure V
165	А	165		N	19/Sep/22	23/Sep/22	17838114	0.00	4	13	1	2	10	9	1	<1	<1	<1	<1	<1	<1	2269	7	16	6	25					

IDEN	Т		FL	.UID	CHAR	ACT	ERIST	ics									PHYS	SICAL	TES	TING					PAR	TICLE	ANAL	YSIS		
SMU	Е	OIL BRAND	OIL GRADE	Ca Ca l cium	Mg Magnesium	Zn Zinc	P Phosphorus	Mo Molybdenum	Boron	Ba Barium	Cd Cadmium		V100 Vis. 1000		Na Sodium	K Potassium	WAT Water	WKF Water PPM	OH Hydroxyl	Li Lithium	PQ PQ Index		GLYC Glycol			PC38 >38 µm		ISO ISO 4406	ISO4407 ISO 4407	AN Acid Numb
165	А	VOLVO	15W40	1428	587	763	674	107	303	<1	<1	104	12.9	<2.0	2	<1	0.1			<1	4	NB								

BELCHER DIESEL SERVICE
ATTN: BRAD BELCHER
PO BOX 515
THURINGOWA CENTRAL, QLD ,Australia 4817

BELCHER DIESEL SERVICE Default Site
Default Site

REEL HUB ENG STBD ENGINE DIESEL STBD

UNIT INFORMATION

M/M: KOHLER PLEASE ADVISE

(KOHLER)

S/N : REEL HUB ENG STBD

COMPONENT INFORMATION

Make Mode

S/N

SHOP JOB/SEGMENT

Condition Monitoring Centre

Express Post Satchels can be recycled. Please return any unused satchels

NO ACTION REQUIRED

LCN 19/09/2022 17838115 DATE

Viscosity acceptable for oil grade indicated. Wear levels below the 5 micron range appear acceptable. All other completed test results appear acceptable. Suggested Action: More samples are needed to establish a trend. Please confirm hours on oil with next sample. Continue sampling at regular intervals. Sample Notes:

CURRENT	TSAMPLE TOOK	4 DAYS TO REACH LAB	INTERPRETED BY	Wesley Primrose	ANALYSED BY	shabrow	MAINTENANCE	
					DATE		LCI	J
PREVIOUS	S SAMPLE TOOK	0 DAYS TO REACH LAB	INTERPRETED BY		ANALYSED BY		MAINTENANCE	

IDEN	IDENT SAMPLE INFORMATION								ELEMENTAL ANALYSIS														IR AN	IALYS	SIS	MISC						
SMU	E	СМИ	FMU	С	SAMPLE DATE	LAB DATE	LCN	OIL ADD	Cu Copper	Fe Iron	Cr Chromium	Pb Lead	A I A l uminium	Si Si l icon	Sn Tin	Ni Nickel	Mn Manganese	V Vanadium	Ti Titanium	Ag Silver	Sb Antimony	S Su l fur				USUL Sulfation			COL Collour	RULER		RPVOT Rotating Pressure V
165	А	165		N	19/Sep/22	23/Sep/22	17838115	0.00	4	12	1	3	11	9	1	<1	<1	<1	<1	<1	<1	2305	5	16	6	26						

IDEN	FLUID CHARACTERISTICS												PHYSICAL TESTING										PARTICLE ANALYSIS									
SMU	Е	OIL BRAND	OIL GRADE	Ca Ca l cium	Mg Magnesium	Zn Zinc	P Phosphorus	Mo Molybdenum	B Boron	Ba Barium	Cd Cadmium		V100 Vis. 1000		Na Sodium	K Potassium	WAT Water	WKF Water PPM	OH Hydroxy l	Li Lithium	PQ PQ Index		GLYC Glycol				PC38 >38 µm		ISO ISO 4406	ISO4407 ISO 4407	AN Acid Numb	
165	А	VOLVO	15W40	1400	585	748	674	106	299	<1	<1	103	14.0	<2.0	2	<1	0.1			<1	3	NB										

BELCHER DIESEL SERVICE
ATTN: BRAD BELCHER
PO BOX 515
THURINGOWA CENTRAL, QLD ,Australia 4817