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REPORT OF ENGINE SURVEY

"WELL DONE" 84' BURGER

DATE: 10/9/2026

This report is issued subject to the condition that it is understood and agreed that neither this office nor any surveyor or any employee thereof is under any circumstances whatsoever to be held responsible in any way for any error in judgment, default or negligence nor for any inaccuracy, omission, misrepresentation or misstatement in this report, and that the use of this report shall be construed to be an acceptance of the foregoing conditions.

ENGINE SPECIFICATIONS

PORT

STARBOARD

ENGINE MFG.	CAT	CAT
ENGINE MODEL NO.	3412E	3412E
ENGINE SERIAL NO	9KS00265	9KS00266
ENGINE HORSEPOWER	1400 HP	1400 HP
ENGINE HOURS	8507 HRS	8519 HRS
TRANSMISSION MFG.	ZF	ZF
GEAR MODEL NO.	BW255V	BW255V
GEAR SERIAL NO.	50003977	50003978
GEAR PART NO.	3082020004	3082020004
GEAR RATIO	2.96:1	2.96:1

ENGINE OIL FILTERS

TYPE: CAT

PART NUMBER: CAT #389-0434

ENGINE FUEL FILTERS

PRIMARY TYPE: RACOR
SECONDARY TYPE: CAT

PART NUMBER: RACOR 2020 (30 MICRON)
PART NUMBER: CAT #389-0432

TRANSMISSION OIL FILTERS

TYPE: N/A

PART NUMBER: N/A

FUEL/OIL LINES

ENGINE OIL LINES
GEAR OIL LINES
ENGINE FUEL LINES

☒ OKAY
☒ OKAY
☒ OKAY

☐ NOT OKAY
☐ NOT OKAY
☐ NOT OKAY

☒ OKAY
☒ OKAY
☒ OKAY

☐ NOT OKAY
☐ NOT OKAY
☐ NOT OKAY

MISCELLANEOUS



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ENGINE SPECIFICATIONS CONTINUED

EXHAUST SYSTEMS

PORT

STARBOARD

EXHAUST MANIFOLD	☒ OKAY	☐ NOT OKAY	☒ OKAY	☐ NOT OKAY
EXHAUST RISERS	☒ OKAY	☐ NOT OKAY	☒ OKAY	☐ NOT OKAY
EXHAUST ELBOWS	☒ OKAY	☐ NOT OKAY	☒ OKAY	☐ NOT OKAY
EXHAUST MUFFLERS	☒ OKAY	☐ NOT OKAY	☒ OKAY	☐ NOT OKAY
EXHAUST HOSES	☒ OKAY	☐ REPLACE	☒ OKAY	☐ REPLACE
EXHAUST HOSE CLAMPS	☒ OKAY	☐ REPLACE	☒ OKAY	☐ REPLACE

COOLING SYSTEMS

FW SYSTEMS @ 7 LBS	HELD PRESSURE: ☒ YES ☐ NO			
FW CAPS	☒ OKAY	☐ NOT OKAY	☐ REPLACE PORT	☐ REPLACE STBD
FW HOSES	☒ OKAY	☐ NOT OKAY	☐ REPLACE PORT	☐ REPLACE STBD
FW HOSE CLAMPS	☒ OKAY	☐ NOT OKAY	☐ REPLACE PORT	☐ REPLACE STBD
FW PUMPS	☒ OKAY	☐ NOT OKAY	☐ REPAIR PORT	☐ REPAIR STBD
R/W HEAT EXCHANGERS	☒ OKAY	☐ NOT OKAY	☒ CLEAN PORT	☐ CLEAN STBD
R/W HOSES	☐ OKAY	☐ NOT OKAY	☐ REPLACE PORT	☐ REPLACE STBD
R/W HOSE CLAMPS	☒ OKAY	☐ NOT OKAY	☐ REPLACE PORT	☐ REPLACE STBD
R/W PUMPS	☒ OKAY	☐ NOT OKAY	☐ REPAIR PORT	☐ REPAIR STBD
R/W PUMP IMPELLERS	☒ OKAY	☐ NOT OKAY	☒ NOT APPLICABLE	☐ REPLACE
R/W ZINCS	☒ OKAY	☐ REPLACE PORT & STBD	☐ NOT APPLICABLE	
BLOCK HEATERS	☒ OKAY	☐ N/A	☐ REPAIR PORT	☐ REPAIR STBD
ALTERNATOR BELTS	☐ TIGHT	☒ LOOSE	☒ REPLACE PORT	☒ REPLACE STBD

ELECTRICAL

WIRING	☒ OKAY	☐ NOT OKAY	EXPLANATION:	
STARTERS	☒ OKAY	☐ NOT OKAY	EXPLANATION:	
ALARMS IGNITION TEST	☒ OKAY	☐ NOT OKAY	☐ REPAIR PORT	☐ REPAIR STBD
ALTERNATORS	☒ OKAY	☐ NOT OKAY	EXPLANATION:	
VOLTMETERS	☒ OKAY	☐ NOT OKAY	EXPLANATION:	

ALARM SYSTEMS IGNITION TEST

PORT:	☒ OPERATIONAL	☐ NOT OPERATIONAL
STBD:	☒ OPERATIONAL	☐ NOT OPERATIONAL

FRESH WATER SYSTEMS

1. LEAKS NOTED	☒ NO	☐ YES - WHICH ENGINE:	☐ PORT	☐ STBD
2. OVERALL CONDITION	☒ OKAY	☐ NOT OKAY	EXPLANATION:	

RAW WATER SYSTEMS

1. LEAKS NOTED	☒ NO	☐ YES WHICH ENGINE:	☐ PORT	☐ STBD
2. OVERALL CONDITION	☒ OKAY	☐ NOT OKAY	EXPLANATION:	



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TURBOS

PORT

STARBOARD

1. LEAKS NOTED ☐ YES ☒ NO ☐ YES ☒ NO
2. ONLY A VISUAL INSPECTION CAN BE DONE AS DISASSEMBLY REQUIRED TO DETERMINE CONDITION.

TURBO OIL LINES

1. TYPE: CAT ☒ OKAY YES ☐ NO EXPLANATION:

ENGINE TRANSMISSIONS

1. SHIFTS PROPERLY ☒ PORT YES ☐ PORT NO ☒ STBD YES ☐ STBD NO
2. OIL LEAKS NOTED ☐ PORT YES ☒ PORT NO ☐ STBD YES ☒ STBD NO

ENGINE TRANSMISSION MOUNTS

1. CONDITION: ☒ PORT OKAY ☐ NOT OKAY ☒ STBD OKAY ☐ NOT OKAY

ENGINE INTERNAL INSPECTION

☐ REQUESTED

☒ NOT REQUESTED

IN DEPTH DESCRIPTION OF BOROSCOPE FINDINGS

PORT ENGINE

RIGHT BANK:
CYLINDERS:
1,2,3,4,5,6
CROSSHATCH MARKS:
☐ VISIBLE
☐ NOT VISIBLE
OTHER NOTES:

LEFT BANK:
CYLINDERS:
7,8,9,10,11,12
CROSSHATCH MARKS:
☐ VISIBLE
☐ NOT VISIBLE
OTHER NOTES:

STARBOARD ENGINE

RIGHT BANK:
CYLINDERS:
1,2,3,4,5,6
CROSSHATCH MARKS:
☐ VISIBLE
☐ NOT VISIBLE
OTHER NOTES:

LEFT BANK:
CYLINDERS:
7,8,9,10,11,12
CROSSHATCH MARKS:
☐ VISIBLE
☐ NOT VISIBLE
OTHER NOTES:

COMPRESSION READINGS TAKEN @ 120° F - TRIAL RUN DATA -

☐ REQUESTED

☒ NOT REQUESTED

PORT

STARBOARD

RIGHT BANK		LEFT BANK		RIGHT BANK		LEFT BANK	
#1	PSI	#7	PSI	#1	PSI	#7	PSI
#2	PSI	#8	PSI	#2	PSI	#8	PSI
#3	PSI	#9	PSI	#3	PSI	#9	PSI
#4	PSI	#10	PSI	#4	PSI	#10	PSI
#5	PSI	#11	PSI	#5	PSI	#11	PSI
#6	PSI	#12	PSI	#6	PSI	#12	PSI

GENERATOR BRAND NAME PORT: FWD - ONAN 23KW

MODEL NO: 23MDKBV SERIAL NO: J100162230 SPEC NO: B
HOURS: 5701 OIL FILTER P/N: 122-0810 FUEL FILTER P/N: 149-2106
RACOR 2040 (30 MICRON)

GENERATOR BRAND NAME STBD: AFT - KILOPAK 38KW

MODEL NO: 6HKP38/8PF1P SERIAL NO: 99080833 SPEC NO:
HOURS: 9337 OIL FILTER P/N: RE506178 FUEL FILTER P/N: NL 24-59502



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PORT RECOMMENDATIONS:

1. CLEAN HEAT EXCHANGER - OVERHEAT ISSUE - ABOVE 194°F
2. REPLACE BELT

STBD RECOMMENDATIONS:

1. REPLACE BELT

GENERATOR RECOMMENDATIONS PORT:

GENERATOR RECOMMENDATIONS STBD: