

MOTOR✓CHECK™ ANALYSIS CLINIC

2000 North Florida Mango Rd., Suite 104

West Palm Beach, Florida 33409

www.MotorCheckLab.com

Phone: (561) 684-7799

Fax: (561) 684-6402

SHEARWATER MARINE,
PO BOX 1290

STUART, FL 34995

Phone: 772-781-5553 Fax: 772-781-7093

Email:

Engine Make: **NORTHERN LIGHTS**

Engine Model: **M844K**

Sump Capacity: **9.0**

Serial #:

8442-25583

Vessel Name: **BAGHBERA**

Location: **GENERATOR**

Equipment: **MARINE DIESEL**

Date Taken: 01/26/2016		WEAR METALS (in Parts per Million):										PHYSICAL PROPERTIES							
Sample ID:	012355	ALUMINUM	CHROMIUM	COPPER	IRON	LEAD	TIN	SILICON	POTASSIUM	SODIUM	MOLY	WATER	OXIDATION	VISC@100	GLYCOL	FUEL	TBN	SAE	SOOT
Oil Brand:	UNKNOWN	<2	<2	<2	6	<2	<2	8	7	13	<2	<0.1	<2.0	14.4	-	<2.0	8.8		040
Oil Type:	UNKNOWN														ND				
Oil Weight:	15W40																		
Unit:	1542 Hours																		
Oil:	1 Hours																		
User Sample:	UNKNOWN																		
OSA Operator:																			

* ALL ENGINE WEAR RATES NORMAL. LOW TIME ON OIL LIMITS ACCURACY OF TEST DATA; HOWEVER, SAMPLE APPEARS FREE OF EXTERNAL CONTAMINATION. ANALYSIS INDICATES PROPER PERFORMANCE OF THE LUBRICANT AND UNIT.

NOTE: HOURS OR MILES ON UNIT AND/OR HOURS OR MILES ON OIL: "0" = HOURS/MILES UNKNOWN. UNKNOWN HOURS OR MILES ON UNIT OR ON OIL LIMITS THE ACCURACY OF THE TEST RESULTS

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* ASSUMING NORMAL OIL CONSUMPTION AND BASED ON PROVIDED INFORMATION, WEAR METAL EVALUATION VARIES PER MAKE AND MODEL, TOTAL MILES/HOURS AND THE MILES/HOURS THE OIL HAS BEEN IN SERVICE.

A=ABNORMAL HN=HIGH NORMAL NA=NON APPLICABLE ND=NOT DETECTED S=SEVERE

M=MONITOR

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Email:

Engine Make: **LUGGER**
Engine Model: **LP668T-MG5050**
Sump Capacity: **9.0**

Serial #: **6681-2029**

Vessel Name: **BAGHBERA**
Location: **PORT MAIN**
Equipment: **MARINE DIESEL**

Date Taken: 01/26/2016		WEAR METALS (in Parts per Million):										PHYSICAL PROPERTIES							
Sample ID:	012356	ALUMINUM	CHROMIUM	COPPER	IRON	LEAD	TIN	SILICON	POTASSIUM	SODIUM	MOLY	WATER	OXIDATION	VISCOSITY @ 100	GLYCOL	FUEL	TBN	SAE	SOOT
Oil Brand:	UNKNOWN	2	2	<2	3	<2	<2	6	<2	10	<2	<0.1	<2.0	14.4	-	<2.0	8.6		0.10
Oil Type:	UNKNOWN														ND				
Oil Weight:	15W40																		
Unit:	4937 Hours																		
Oil:	100 Hours																		
User Sample:	UNKNOWN																		
OSA Operator:																			

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Engine Make: **LUGGER**
Engine Model: **1P668T-MG5050**
Sump Capacity: **9.0**

Serial #: **6681-2114**

Vessel Name: **BAGHERA**
Location: **STARBOARD MAIN**
Equipment: **MARINE DIESEL**

Date Taken: 01/26/2016		WEAR METALS (in Parts per Million):										PHYSICAL PROPERTIES							
		ALUMINIUM	CHROMIUM	COPPER	IRON	LEAD	TIN	SILICON	POTASSIUM	SODIUM	MOLY	WATER	OXIDATION	VISCOSITY@100	GLYCOL	FUEL	TBN	SAE	SOOT
Sample ID:	012357																		
Oil Brand:	UNKNOWN																		
Oil Type:	UNKNOWN																		
Oil Weight:	15W40																		
Unit:	4937 Hours																		
Oil:	100 Hours																		
User Sample:	UNKNOWN																		
OSA Operator:		3	2	<2	3	<2	<2	7	<2	22	<2	<0.1	<2.0	14.4	-ND	<2.0	9.3		0.0

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Unit Make: **Twin Disc Gear**
Unit Model: **MG-5050**
Unit Serial#: **5GP095**

Vessel Name: **BAGHERA**
Unit Location: **Port Gear**
Equipment: **Marine Gear**

DATE TAKEN: 01/26/2016	WEAR METALS (in Parts per Million)											PHYSICAL PROPERTIES						
Sample ID: 198749	A L U M I N I U M	C H R O M I U M	C O P P E R	I R O N	L E A D	T I N	S I L I C O N	P O T A S S I U M	S O D I U M	W A T E R	O X I D A T I O N							
Oil Brand: UNKNOWN																		
Oil Type: UNKNOWN																		
Oil Weight: 40																		
Unit: 4937 Hours																		
Oil: 0 Hours																		
Sump Capacity: 9 Quarts	3	0	173	176	>150	0	9	0	18	<0.1	<2.0							

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Unit Make: **Twin Disc Gear**

Unit Model: **MG-5050-A**

Unit Serial#: **5GR152**

Vessel Name: **BAGHERA**

Unit Location: **Starboard Gear**

Equipment: **Marine Gear**

DATE TAKEN: 01/26/2016	WEAR METALS (in Parts per Million)										PHYSICAL PROPERTIES					
Sample ID: 198750	A L U M I N U M	C H R O M I U M	C O P P E R	I R O N	L E A D	T I N	S I L I C O N	P O T A S S I U M	S O D I U M	W A T E R	O X I D A T I O N					
Oil Brand: UNKNOWN																
Oil Type: UNKNOWN																
Oil Weight: 40																
Unit: 4937 Hours																
Oil: 0 Hours																
Sump Capacity: 9 Quarts	1	0	114	100	>150	0	3	0	12	<0.1	<2.0					

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