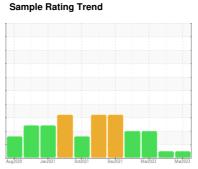


# **OIL ANALYSIS REPORT**

# GUAY SON [CONHER] **MADE IN MEXICO IBACO BM NAUTICO 4**

**Auxiliary Auxiliary Engine** 

Valvoline 15W40 (8 LTR)





### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

### **Fluid Condition**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

		Aug2020	OUTSOEL OCTSOEL	120200 IVIII	Mazuzs	
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		KL0011368	KL0011205	KL0009186
Sample Date		Client Info		15 Mar 2023	24 Oct 2022	15 Mar 2022
Machine Age	hrs	Client Info		2778	0	14684
Oil Age	hrs	Client Info		156	0	288
Oil Changed		Client Info		Not Changd	N/A	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINATION	V	method	limit/base	current	history 1	history 2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>100	4	6	63
Chromium	ppm	ASTM D5185m	>20	<1	2	7
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	1	<1
Aluminum	ppm	ASTM D5185m	>20	1	2	7
Lead	ppm	ASTM D5185m	>40	<1	1	3
Copper	ppm	ASTM D5185m	>330	<1	4	8
Tin	ppm	ASTM D5185m	>15	<1	<1	2
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		0	0	277
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	4	125
Manganese	ppm	ASTM D5185m		<1	2	<1
Magnesium	ppm	ASTM D5185m		15	19	642
Calcium	ppm	ASTM D5185m		3734	3870	1668
Phosphorus	ppm	ASTM D5185m		909	941	909
Zinc	ppm	ASTM D5185m		1087	1171	1103
Sulfur	ppm	ASTM D5185m		5694	4581	2616
CONTAMINANTS	;	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	4	6	11
Sodium	ppm	ASTM D5185m		1	4	6
Potassium	ppm	ASTM D5185m	>20	<1	8	<1
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844		0.1	0.1	0.6
Nitration	Abs/cm	*ASTM D7624	>20	6.0	6.6	12.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.1	18.1	28.2



## OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number **Unique Number** 

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: 05798840 : 10388524

: KL0011368

Received Diagnosed Diagnostician

: 22 Mar 2023 : 27 Mar 2023

: Jonathan Hester

Test Package : MOB 2 ( Additional Tests: PrtCount ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

**JUAREZ 348** HERMOSILLO. MX 83140

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