

OIL ANALYSIS REPORT

Sample Rating Trend

FUEL



GUAY SON [CONHER] Machine Id BM Luis II

Component Bottom Marine Diesel

XTRA REV 15W40 (8 LTR)

DIAGNOSIS

A Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil. The amount and size of particulates present in the system are acceptable.

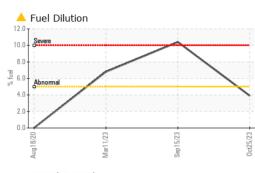
Fluid Condition

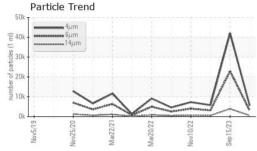
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

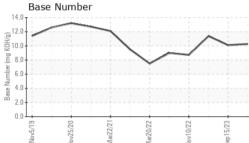
.TR)		Nov2019	Nov2020 Mar2021	Mar2022 Nov2022	Sep2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0013337	KL0012806	KL0011365
Sample Date		Client Info		25 Oct 2023	15 Sep 2023	11 Mar 2023
Machine Age	hrs	Client Info		16067	15611	15561
Oil Age	hrs	Client Info		347	700	1536
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				MARGINAL	SEVERE	ABNORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	82	1 47	1 02
Chromium	ppm	ASTM D5185m	>14	3	1 6	14
Nickel	ppm	ASTM D5185m	>3	0	<1	0
Titanium	ppm	ASTM D5185m	>2	0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	6	<u> </u>	🔺 11
Lead	ppm	ASTM D5185m	>11	0	2	1
Copper	ppm	ASTM D5185m	>25	2	3	2
Tin	ppm	ASTM D5185m	>2	<1	2	1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	5	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	4	3
Manganese	ppm	ASTM D5185m		<1	2	1
Magnesium	ppm	ASTM D5185m		11	32	23
Calcium	ppm	ASTM D5185m		2948	3490	3369
Phosphorus	ppm	ASTM D5185m		1028	1149	1110
Zinc	ppm	ASTM D5185m		1235	1401	1364
Sulfur	ppm	ASTM D5185m		3654	4648	4486
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	20	▲ 38	2 5
Sodium	ppm	ASTM D5185m	>40	12	25	17
Potassium	ppm	ASTM D5185m	>20	3	6	3
Fuel	%	ASTM D3524	>5	<mark>▲</mark> 3.9	1 0.4	▲ 6.8
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.3	0.1	0.7
Nitration	Abs/cm	*ASTM D7624	>20	11.2	15.8	14.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.6	25.1	22.1



OIL ANALYSIS REPORT







Aar20/77

Viscosity @ 100°C

18

17

16

(J-015 15 14

13

Ê 40

· 301

5 201

E 10

0

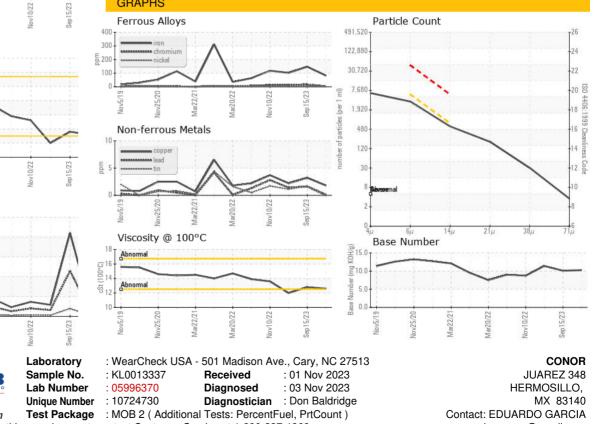
ñ

Abno 12

Particle Trend







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)

egarcia.comsa@gmail.com T: (526)622-1581 x:81 F: x: