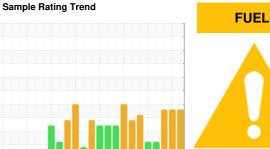


# **OIL ANALYSIS REPORT**



# GUAY SON [CONHER] **IBACO BM ISMAR 6**

Component **Diesel Engine** 

**XTRA REV 15W40 (--- LTR)** 

## **DIAGNOSIS**

### Recommendation

We advise that you check the fuel injection system. 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

There is a high amount of particulates present in the oil. There is a moderate amount of fuel present in the oil.

### ▲ Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

		.1g2U18 Dec2				
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0013345	KL0012819	KL0011411
Sample Date		Client Info		21 Oct 2023	16 Sep 2023	30 Mar 2023
Machine Age	hrs	Client Info		14208	13737	13732
Oil Age	hrs	Client Info		476	376	1595
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATIO	V	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	24	23	17
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	<1	<1
Lead	ppm	ASTM D5185m	>40	2	2	1
Copper	ppm	ASTM D5185m	>330	153	193	171
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2	4	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	4	4
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		16	21	18
Calcium	ppm	ASTM D5185m		2575	2931	2934
Phosphorus	ppm	ASTM D5185m		800	896	860
Zinc	ppm	ASTM D5185m		932	1069	1081
Sulfur	ppm	ASTM D5185m		2899	3851	3596
CONTAMINANTS	1	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		9	9	7
	10 10 100	ASTM D5185m		4	3	1
Sodium	ppm	710 1111 20 100111				
Sodium Potassium	ppm	ASTM D5185m	>20	2	2	2
			>20 >5	2 <u>^</u> 6.9	2 ▲ 6.7	2 ▲ 6.7
Potassium	ppm	ASTM D5185m				
Potassium Fuel	ppm	ASTM D5185m ASTM D3524	>5	<b>△</b> 6.9	▲ 6.7	<b>△</b> 6.7
Potassium Fuel INFRA-RED	ppm %	ASTM D5185m ASTM D3524 method	>5 limit/base >3	△ 6.9 current	▲ 6.7 history1	▲ 6.7 history2



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