

## Machine Id **1 YORK GATE** Component **Diesel Engine** Fluid **MOBIL 1 TURBO DIESEL TRUCK 15W40 (--- LTR)**

## RECOMMENDATION

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

WEAR		

All component wear rates are normal.

## CONTAMINATION

There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

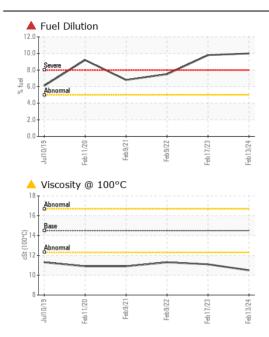
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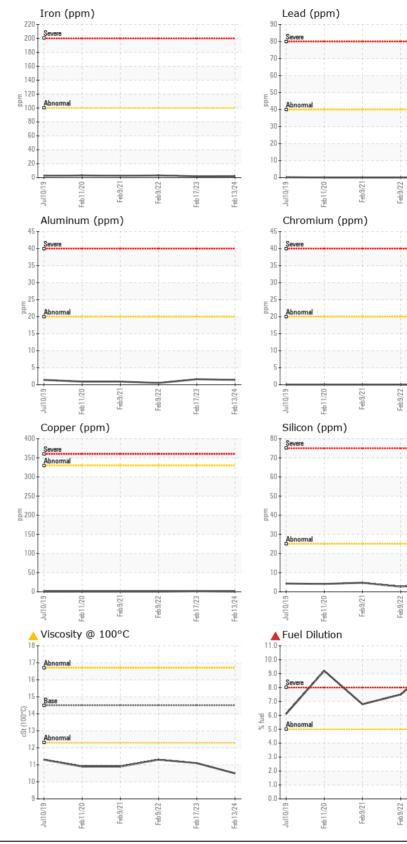
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	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0897603	WC0768106	WC0647788
	Sample Date		Client Info		13 Feb 2024	17 Feb 2023	09 Feb 2022
	Machine Age	hrs	Client Info		0	0	335
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				SEVERE	SEVERE	ABNORMAL
	Iron	ppm	ASTM D5185(m)	>100	2	2	3
	Chromium	ppm	ASTM D5185(m)	>20	0	0	0
	Nickel	ppm	ASTM D5185(m)	>4	0	0	<1
	Titanium	ppm	ASTM D5185(m)		0	<1	0
	Silver	ppm	ASTM D5185(m)	>3	0	0	1
	Aluminum	ppm	ASTM D5185(m)	>20	1	2	<1
	Lead	ppm	ASTM D5185(m)	>40	0	<1	0
	Copper	ppm	ASTM D5185(m)	>330	۰ <1	2	<1
	Tin	ppm	ASTM D5185(m)	>15	0	0	<1
	Vanadium	ppm	ASTM D5185(m)	210	0	0	0
	vanadidiii	ppin					0
	Silicon	ppm	ASTM D5185(m)	>25	3	5	3
	Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
	Fuel	%	ASTM D7593*	>5	<b>1</b> 0	<b>9</b> .8	<b>1</b> 7.5
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	ASTM D7844*	>3	0	0	0
	Nitration	Abs/cm	ASTM D7624*	>20	4.7	4.6	5.3
	Sulfation	Abs/.1mm	ASTM D7415*	>30	18.1	21.5	20.3
	Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
	Sodium	ppm	ASTM D5185(m)		1	2	1
	Boron	ppm	ASTM D5185(m)		69	322	3
	Barium	ppm	ASTM D5185(m)		0	0	0
	Molybdenum	ppm	ASTM D5185(m)		57	72	55
	Manganese	ppm	ASTM D5185(m)		0	<1	<1
	Magnesium	ppm	ASTM D5185(m)		772	415	928
	Calcium	ppm	ASTM D5185(m)		988	1266	972
	Phosphorus	ppm	ASTM D5185(m)	1100	927	976	1005
	Zinc	ppm	ASTM D5185(m)		1033	1052	1155
	Sulfur	ppm	ASTM D5185(m)		2673	2565	2658
	Oxidation	Abs/.1mm	ASTM D7414*	>25	13.2	13.2	13.8
	Visc @ 100°C	cSt	ASTM D7279(m)	14.5	<b>10.5</b>	▲ 11.1	11.3

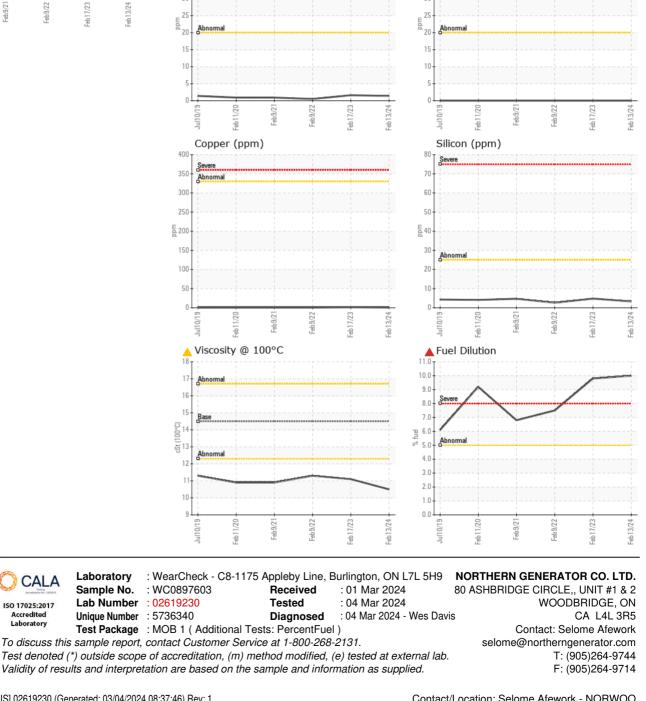
## FLUID CONDITION

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Contact/Location: Selome Afework - NORWOO







Feb 17/23

Feb 13/24

Report Id: NORWOO [WCAMIS] 02619230 (Generated: 03/04/2024 08:37:46) Rev: 1

Laboratory

Sample No.

Lab Number : 02619230

Unique Number : 5736340

: WC0897603

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test Package : MOB 1 (Additional Tests: PercentFuel)

Received

Diagnosed

Tested

:01 Mar 2024

: 04 Mar 2024

CALA

ISO 17025:2017 Accredited

Laboratory

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Contact/Location: Selome Afework - NORWOO