

OIL ANALYSIS REPORT

[7503] 3263M

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

Sample Rating Trend

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Metal levels are typical for a new component breaking in.

▲ Contamination

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

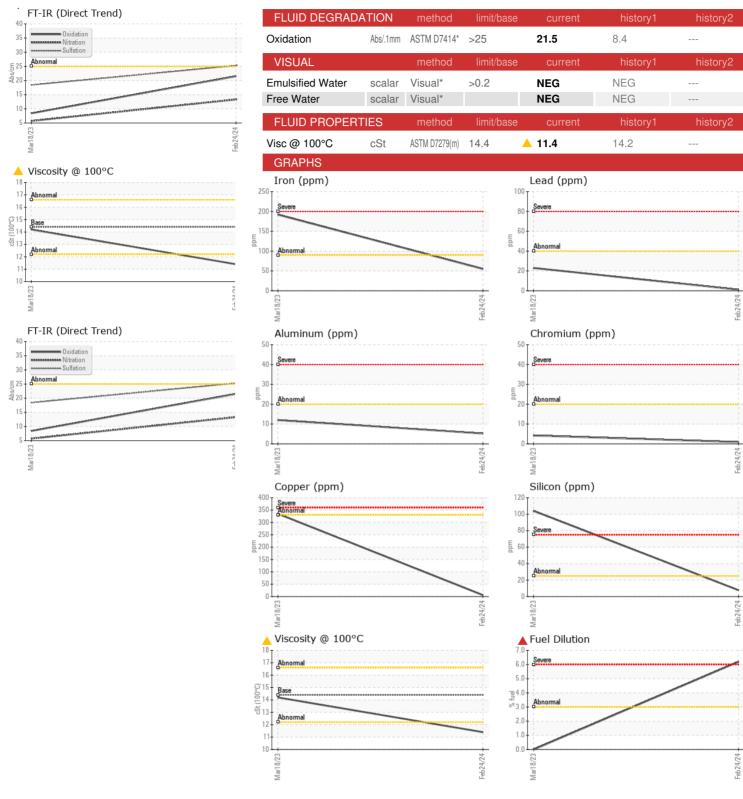
Fluid Condition

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

		L	Mar2023	Feb 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0853480	WC0702822	
Sample Date		Client Info		24 Feb 2024	18 Mar 2023	
Machine Age	kms	Client Info		57102	19595	
Oil Age	kms	Client Info		0	0	
Oil Changed		Client Info		Changed	Not Changd	
Sample Status				SEVERE	NORMAL	
CONTAMINATION	V	method	limit/base	current	history1	history2
Water	•	WC Method	>0.2	NEG	NEG	
Glycol		WC Method	>0.2	NEG	NEG	
		VVO IVIETITOU		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>90	55	192	
Chromium	ppm	ASTM D5185(m)	>20	<1	4	
Nickel	ppm	ASTM D5185(m)	>2	0	<1	
Titanium	ppm	ASTM D5185(m)	>2	0	<1	
Silver	ppm	ASTM D5185(m)	>2	0	<1	
Aluminum	ppm	ASTM D5185(m)	>20	5	12	
Lead	ppm	ASTM D5185(m)	>40	1	23	
Copper	ppm	ASTM D5185(m)	>330	6	335	
Tin	ppm	ASTM D5185(m)	>15	1	17	
Antimony	ppm	ASTM D5185(m)		0	<1	
Vanadium	ppm	ASTM D5185(m)		0	<1	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	48	27	
Barium	ppm	ASTM D5185(m)	10	0	2	
Molybdenum	ppm	ASTM D5185(m)	100	12	1	
Manganese	ppm	ASTM D5185(m)		<1	4	
Magnesium	ppm	ASTM D5185(m)	450	664	681	
Calcium	ppm	ASTM D5185(m)	3000	1270	1335	
Phosphorus	ppm	ASTM D5185(m)	1150	678	1056	
Zinc	ppm	ASTM D5185(m)	1350	778	1137	
Sulfur	ppm	ASTM D5185(m)	4250	2302	2609	
Lithium	ppm	ASTM D5185(m)		<1	1	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	8	104	
Sodium	ppm	ASTM D5185(m)	>158	2	7	
Potassium	ppm	ASTM D5185(m)	>20	6	20	
Fuel	%	ASTM D7593*	>3.0	▲ 6.2	<1.0	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	1.4	0.5	
Nitration	Abs/cm	ASTM D7624*	>20	13.3	5.7	
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.3	18.4	



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CALA ISO 17025:2017 Accredited Laboratory

Sample No.

Laboratory Lab Number : 02629455

: WC0853480 Unique Number : 5762587

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received **Tested**

: 17 Apr 2024 : 18 Apr 2024 Diagnosed : 18 Apr 2024 - Wes Davis

Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel) To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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