

OIL ANALYSIS REPORT

Sample Rating Trend

FUEL

2008 NOVA 156

Rear Diesel Engine Fluid ESSO XD-3 EXTRA 15W40 (--- GAL)

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.

Wear

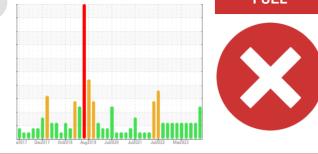
All component wear rates are normal.

Contamination

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

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.



		#2017 Dec20	17 Oct2018 Aug2019	Jul2020 Jul2021 Jul2022	mdt2023	
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0866486	WC0816352	WC0816527
Sample Date		Client Info		20 Dec 2023	06 Oct 2023	28 Jul 2023
Machine Age	kms	Client Info		0	0	0
Oil Age	kms	Client Info		9413	11051	9127
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				SEVERE	ABNORMAL	ABNORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>75	37	41	35
	ppm	ASTM D5185(m)	>5	1	1	1
	ppm	ASTM D5185(m)	>4	<1	<1	0
	ppm	ASTM D5185(m)	>2	0	0	0
	ppm	ASTM D5185(m)	>2	0	<1	<1
	ppm	ASTM D5185(m)	>15	5	5	5
	ppm	ASTM D5185(m)	>25	<1	2	0
	ppm	ASTM D5185(m)	>100	1	2	1
	ppm	ASTM D5185(m)	>4	0	0	0
	ppm	ASTM D5185(m)		0	0	0
	ppm	ASTM D5185(m)		0	0	0
	ppm	ASTM D5185(m)		0	0	0
	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		72	55	58
1	ppm	ASTM D5185(m)		0	<1	0
	ppm	ASTM D5185(m)		<1	2	12
	ppm	ASTM D5185(m)		0	<1	<1
	ppm	ASTM D5185(m)		16	34	155
	ppm	ASTM D5185(m)	3780	2099	2070	1853
	ppm	ASTM D5185(m)	1370	822	792	897
	ppm	ASTM D5185(m)	1500	975	981	1006
	ppm	ASTM D5185(m)	3800	2879	2667	2679
	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	6	8	5
	ppm	ASTM D5185(m)	>192	3	3	3
	ppm	ASTM D5185(m)	>20	8	6	5
	%	ASTM D7593*	>3.0	6.5	4.8	4.5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0.7	0.7	0.5
	Abs/cm	ASTM D7624*	>20	10.9	12.0	11.2
Cultation			200	10.5	12.0	00.0

Sulfation

Abs/.1mm ASTM D7415* >30

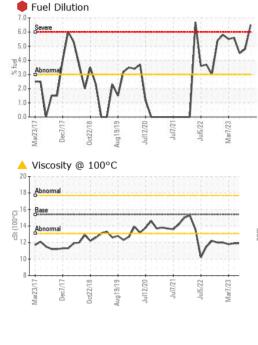
29.8

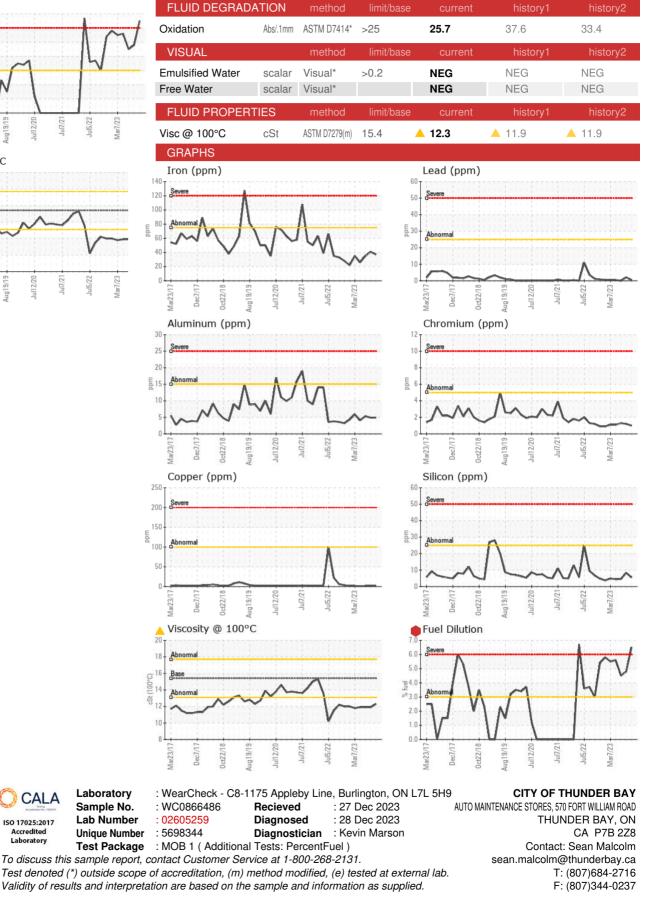
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26.2



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CALA

ISO 17025:2017 Accredited

Laboratory

Laboratory

Sample No.

Lab Number

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