



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
3255 DERRY RD W MISS OUTSIDE ENCLOSURE BELL CANADA G1F01252

Component
Rear Diesel Engine

Fluid
ESSO XD-3 EXTRA 15W40 (40 LTR)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0005722	PN0004497	PN0003426
Sample Date		Client Info		08 Feb 2024	08 Feb 2023	23 Mar 2022
Machine Age	hrs	Client Info		224	177	154
Oil Age	hrs	Client Info		48	23	35
Filter Age	hrs	Client Info		48	23	45
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>100	12	10	10
Chromium	ppm	ASTM D5185(m)	>20	<1	0	<1
Nickel	ppm	ASTM D5185(m)	>2	1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	<1	0
Silver	ppm	ASTM D5185(m)	>2	<1	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	2	2	2
Lead	ppm	ASTM D5185(m)	>40	2	2	2
Copper	ppm	ASTM D5185(m)	>330	5	5	5
Tin	ppm	ASTM D5185(m)	>15	1	1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

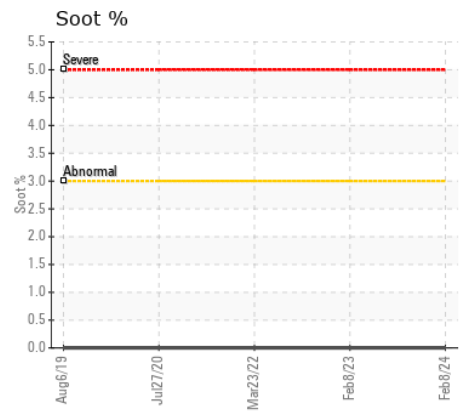
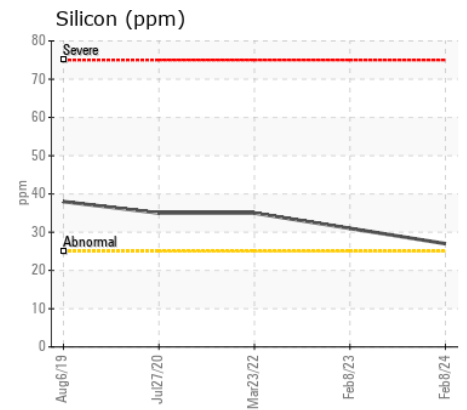
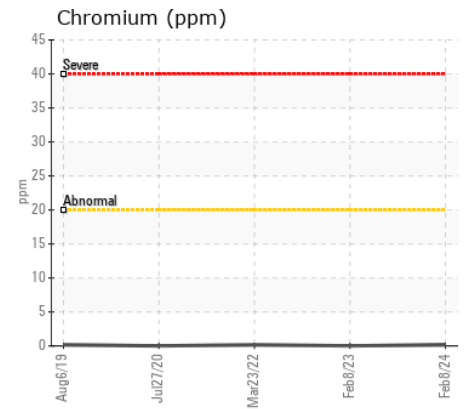
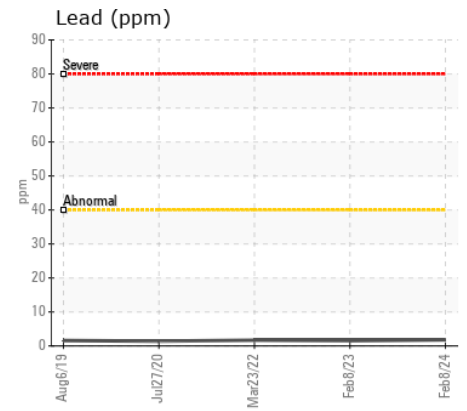
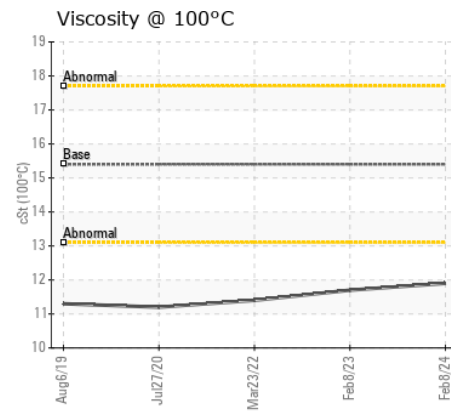
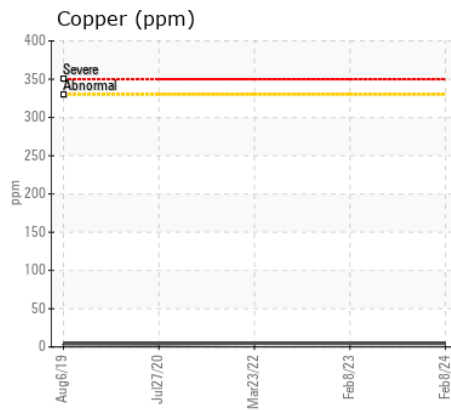
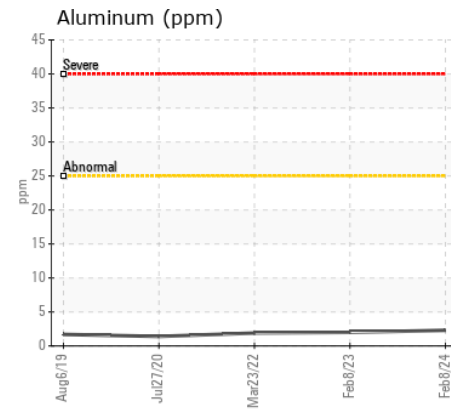
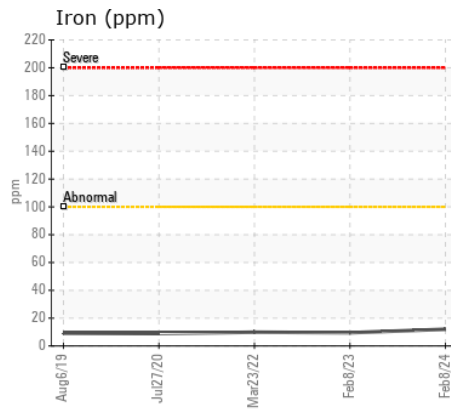
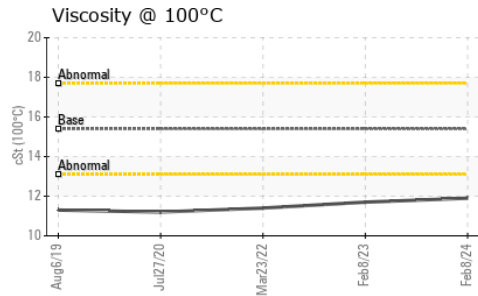
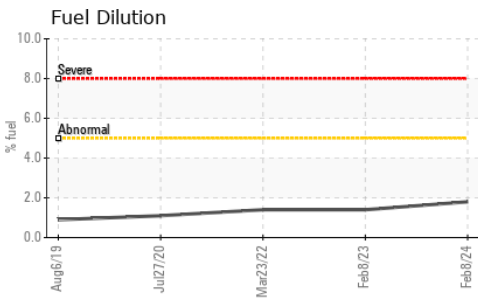
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>25	27	31	35
Potassium	ppm	ASTM D5185(m)	>20	<1	0	<1
Fuel	%	ASTM D7593*	>5	1.8	1.4	1.4
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	6.5	6.3	5.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.4	20.6	20.5
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>192	2	3	3
Boron	ppm	ASTM D5185(m)		25	28	21
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		31	30	19
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)		181	137	153
Calcium	ppm	ASTM D5185(m)	3780	2082	2193	2048
Phosphorus	ppm	ASTM D5185(m)	1370	1016	1057	1018
Zinc	ppm	ASTM D5185(m)	1500	1121	1119	1129
Sulfur	ppm	ASTM D5185(m)	3800	3324	3212	3179
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.4	16.3	16.4
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	11.9	▲ 11.7	▲ 11.4



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0005722 **Received** : 15 Feb 2024
Lab Number : 02615906 **Tested** : 16 Feb 2024
Unique Number : 5733016 **Diagnosed** : 16 Feb 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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