



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[85926]

Machine Id

1038 LORNE ST SUDBURY NEXACOR 64-3502147

Component

Rear Diesel Engine

Fluid

ESSO XD-3 EXTRA 15W40 (8 LTR)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0006145	PN0003852	PN0002537
Sample Date		Client Info		30 Apr 2024	27 Jul 2022	29 Jun 2021
Machine Age	hrs	Client Info		1078	1022	877
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>250	2	5	7
Chromium	ppm	ASTM D5185(m)	>10	0	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>35	2	2	2
Lead	ppm	ASTM D5185(m)	>100	0	1	2
Copper	ppm	ASTM D5185(m)	>60	1	2	3
Tin	ppm	ASTM D5185(m)	>5	0	<1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

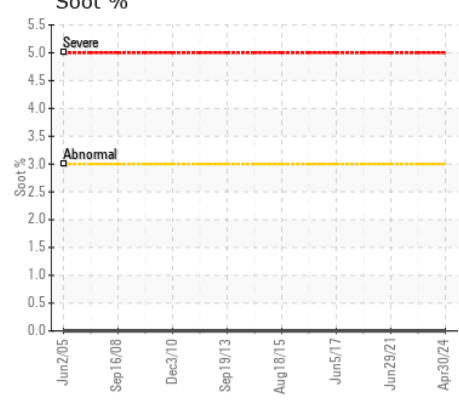
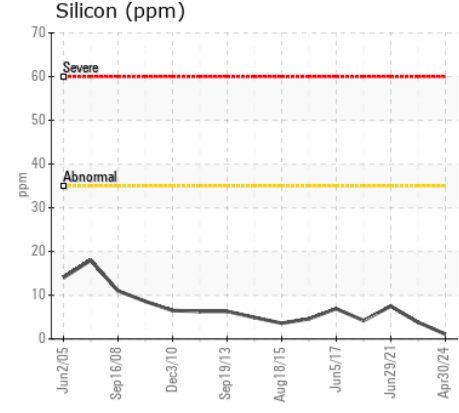
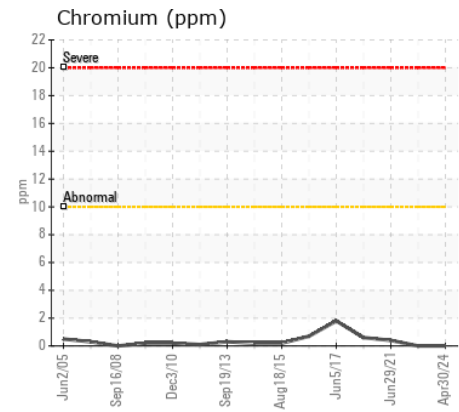
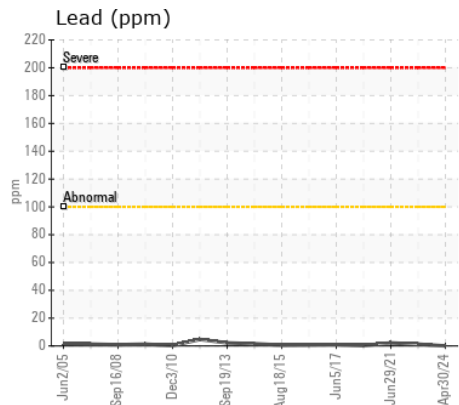
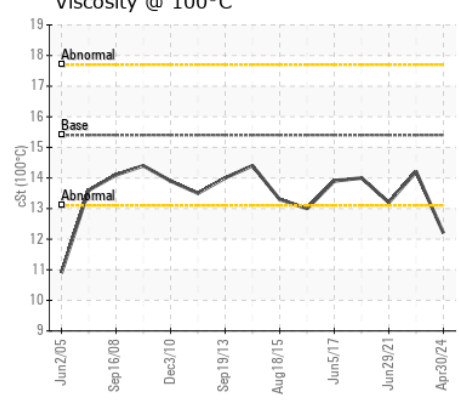
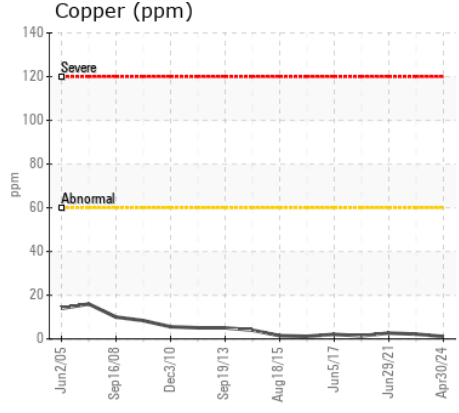
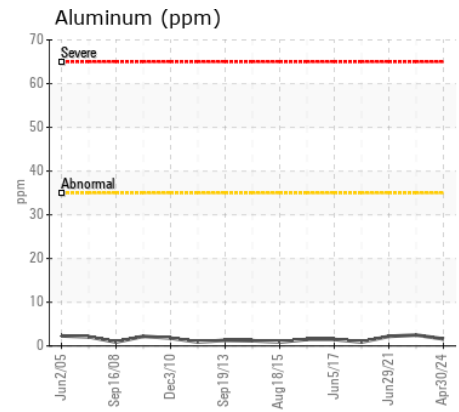
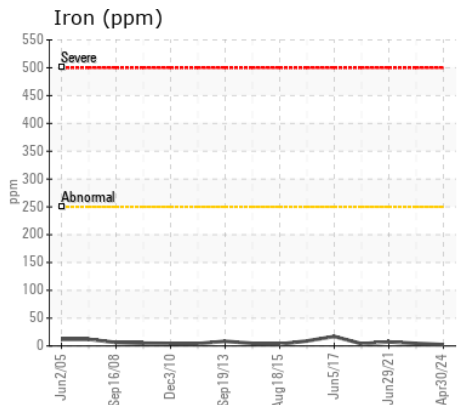
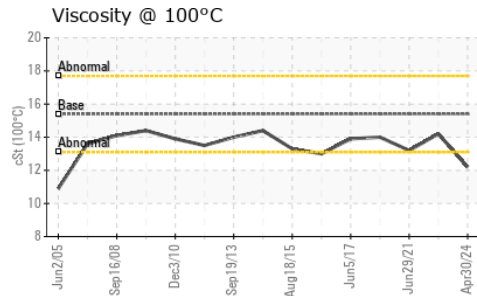
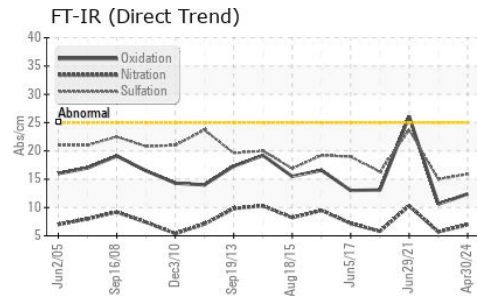
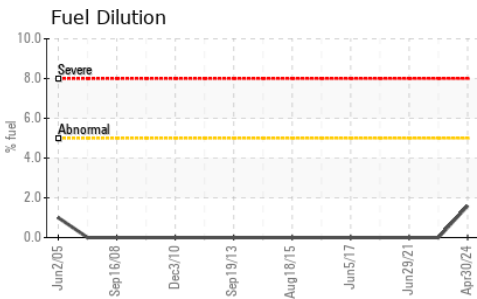
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>35	1	4	8
Potassium	ppm	ASTM D5185(m)	>20	1	<1	<1
Fuel	%	ASTM D7593*	>5	1.6	<1.0	<1.0
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	7.0	5.7	10.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	15.9	15.0	23.7
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	1	3	3
Boron	ppm	ASTM D5185(m)		25	61	43
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		16	78	44
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)		42	102	569
Calcium	ppm	ASTM D5185(m)	3780	2450	2128	1532
Phosphorus	ppm	ASTM D5185(m)	1370	1024	966	815
Zinc	ppm	ASTM D5185(m)	1500	1178	1118	938
Sulfur	ppm	ASTM D5185(m)	3800	2695	3065	2195
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.4	10.6	26.1
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	12.2	14.2	13.2



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0006145 **Received** : 07 May 2024
Lab Number : **02633790** **Tested** : 08 May 2024
Unique Number : 5774943 **Diagnosed** : 08 May 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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