



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**425 WALMER RD YORK GOLDVIEW PROPERTIES 619315CD**

Component  
**Right Diesel Engine**

Fluid  
**ESSO XD-3 EXTRA 15W40 (12 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		<b>PN0005528</b>	PN0003876	PN0003867
Sample Date		Client Info		<b>08 Jan 2024</b>	10 Aug 2022	10 Aug 2022
Machine Age	hrs	Client Info		<b>350</b>	341	341
Oil Age	hrs	Client Info		<b>9</b>	0	0
Filter Age	hrs	Client Info		<b>9</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>51	<b>1</b>	1	1
Chromium	ppm	ASTM D5185(m)	>11	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>31	<b>1</b>	2	2
Lead	ppm	ASTM D5185(m)	>26	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185(m)	>26	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

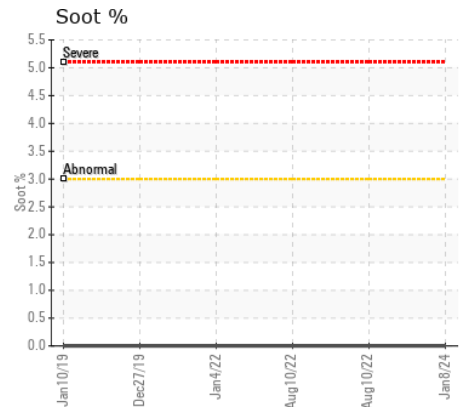
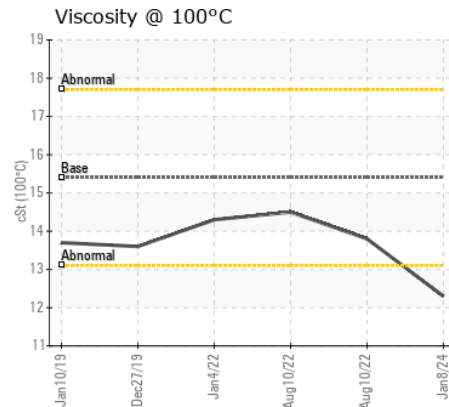
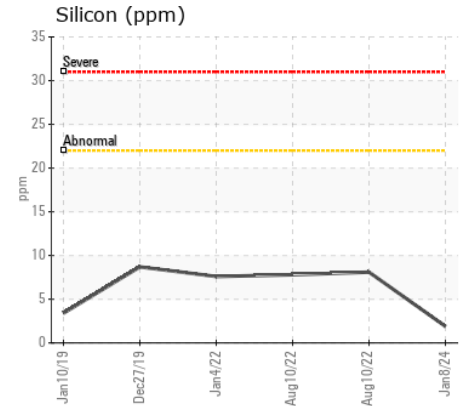
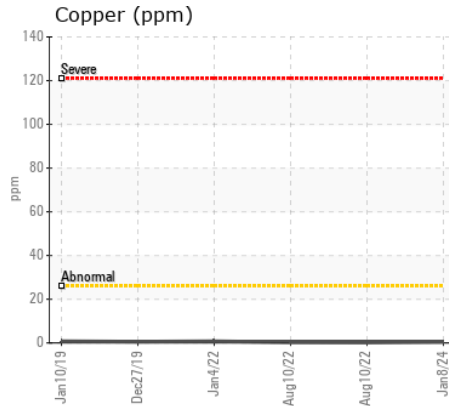
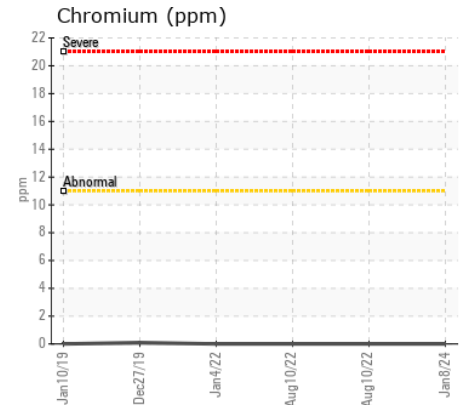
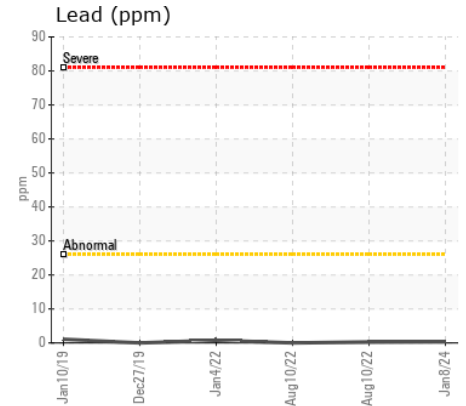
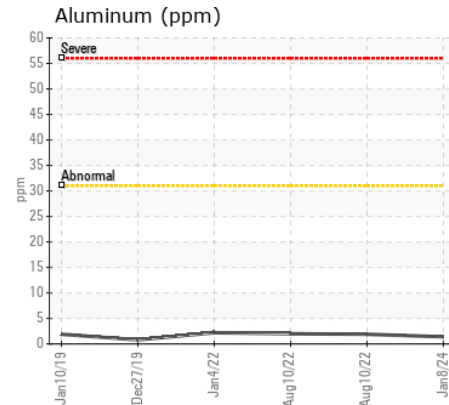
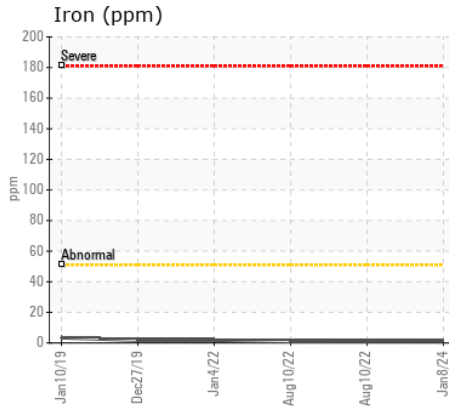
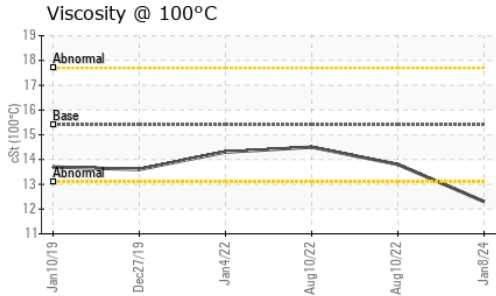
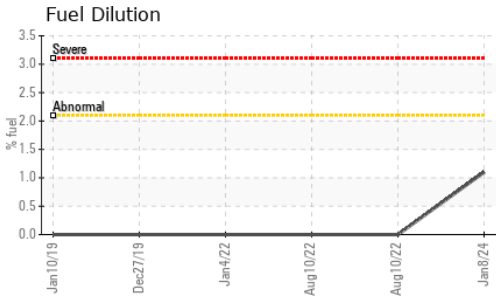
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>22	<b>2</b>	8	8
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	<1
Fuel	%	ASTM D7593*	>2.1	<b>1.1</b>	<1.0	<1.0
Water		WC Method	>0.21	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>4.0</b>	7.0	6.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>13.7</b>	17.0	17.2
Emulsified Water	scalar	Visual*	>0.21	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)	>192	<b>&lt;1</b>	3	3
Boron	ppm	ASTM D5185(m)		<b>26</b>	69	70
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>18</b>	78	82
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>37</b>	32	23
Calcium	ppm	ASTM D5185(m)	3780	<b>2331</b>	2013	2175
Phosphorus	ppm	ASTM D5185(m)	1370	<b>994</b>	927	961
Zinc	ppm	ASTM D5185(m)	1500	<b>1097</b>	1044	1102
Sulfur	ppm	ASTM D5185(m)	3800	<b>2786</b>	3016	3164
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>7.6</b>	12.6	12.8
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>12.3</b>	13.8	14.5



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0005528 **Received** : 12 Jan 2024  
**Lab Number** : 02608526 **Diagnosed** : 15 Jan 2024  
**Unique Number** : 5709612 **Diagnostician** : 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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