



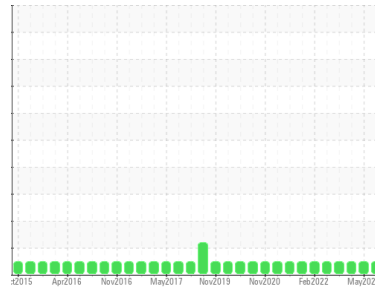
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**NEW FLYER 1426**  
 Component  
**Natural Gas Engine**  
 Fluid  
**PETRO CANADA DURON HP 15W40 (--- GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0849945</b>	WC0811591	WC0791213
Sample Date	Client Info		<b>22 Aug 2023</b>	25 May 2023	23 Feb 2023
Machine Age	kms	Client Info	<b>568896</b>	550111	528782
Oil Age	kms	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	Changed	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >50	<b>16</b>	13	24
Chromium	ppm	ASTM D5185(m) >4	<b>1</b>	1	2
Nickel	ppm	ASTM D5185(m) >2	<b>&lt;1</b>	<1	1
Titanium	ppm	ASTM D5185(m)	<b>&lt;1</b>	1	8
Silver	ppm	ASTM D5185(m) >3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >9	<b>1</b>	2	3
Lead	ppm	ASTM D5185(m) >30	<b>3</b>	5	2
Copper	ppm	ASTM D5185(m) >35	<b>&lt;1</b>	1	5
Tin	ppm	ASTM D5185(m) >4	<b>&lt;1</b>	2	2
Antimony	ppm	ASTM D5185(m)	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	<1
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 0	<b>5</b>	8	9
Barium	ppm	ASTM D5185(m) 0	<b>0</b>	0	4
Molybdenum	ppm	ASTM D5185(m) 60	<b>67</b>	58	51
Manganese	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	2	9
Magnesium	ppm	ASTM D5185(m) 1010	<b>1071</b>	901	735
Calcium	ppm	ASTM D5185(m) 1070	<b>1253</b>	1415	1257
Phosphorus	ppm	ASTM D5185(m) 1150	<b>1013</b>	776	661
Zinc	ppm	ASTM D5185(m) 1270	<b>1284</b>	935	811
Sulfur	ppm	ASTM D5185(m) 2060	<b>2410</b>	2034	1888
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	2

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >+100	<b>5</b>	8	34
Sodium	ppm	ASTM D5185(m)	<b>4</b>	10	35
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	<1	1

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	<b>&gt;20</b>	12.7	10.4
Sulfation	Abs/.1mm	ASTM D7415*	<b>&gt;30</b>	25.5	23.2

## FLUID DEGRADATION

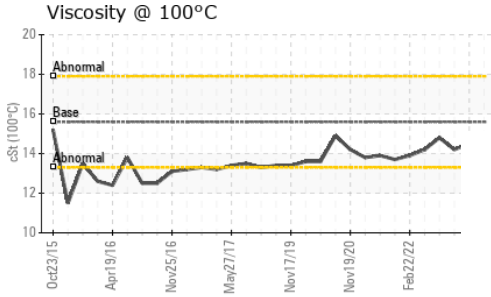
	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	<b>&gt;25</b>	19.9	22.2
				17.5	

## VISUAL

	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	<b>&gt;0.1</b>	<b>NEG</b>	NEG
Free Water	scalar	Visual*	<b>NEG</b>	NEG	NEG

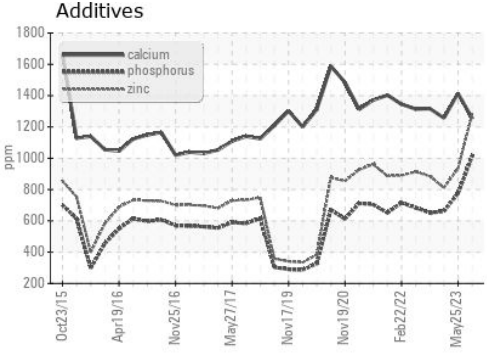
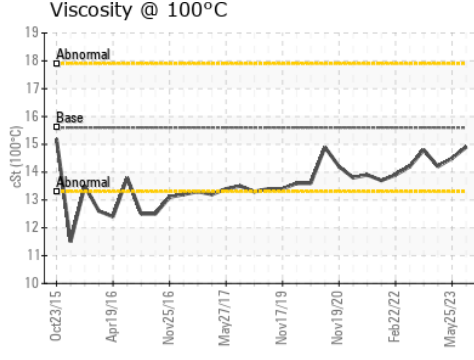
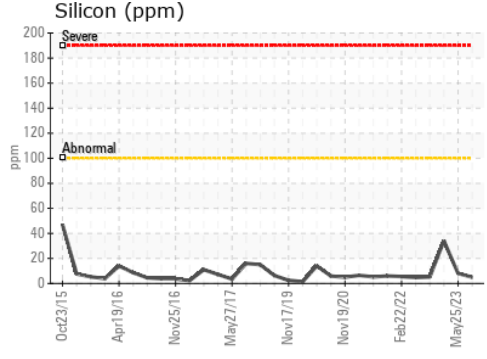
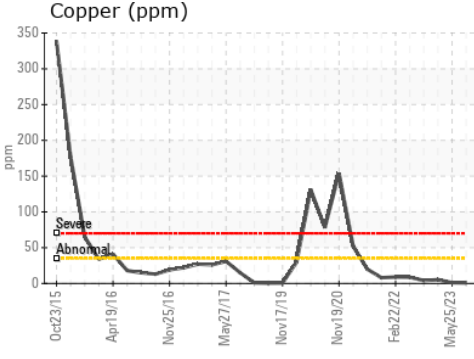
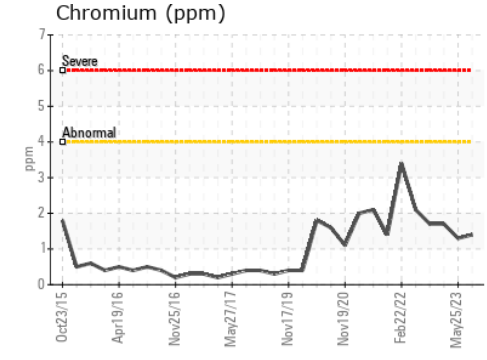
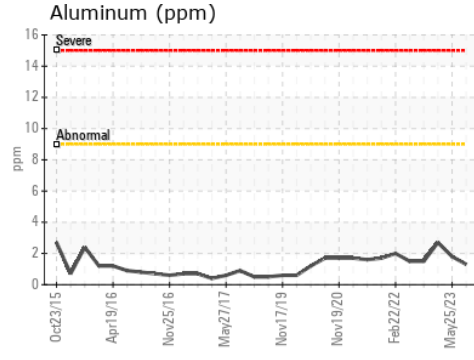
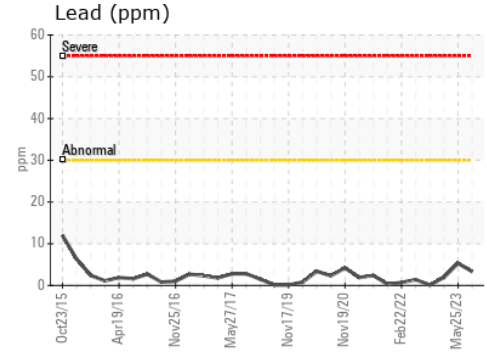
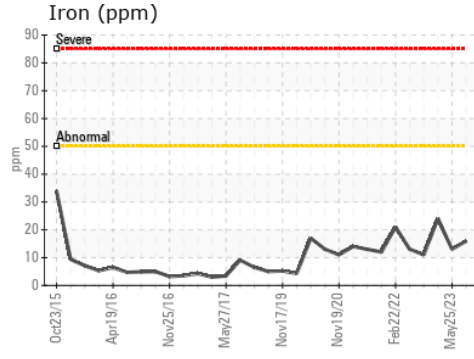


# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	14.9	14.5	14.2

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0849945 **Received** : 29 Aug 2023  
**Lab Number** : 02578963 **Diagnosed** : 29 Aug 2023  
**Unique Number** : 5632023 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**CITY OF HAMILTON**  
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 MOUNT HOPE, ON  
 CA L0R 1W0  
 Contact: Jeff Parr  
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 F: (905)679-4502

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.