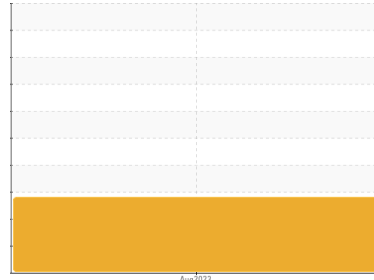


# OIL ANALYSIS REPORT

Sample Rating Trend



**FUEL**



Area  
**MOOD FISHERIES**  
Machine Id  
**NO UNIT WA0020227**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON HP 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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WA0020227</b>	---	---
Sample Date	Client Info			<b>15 Aug 2023</b>	---	---
Machine Age	hrs	Client Info		<b>85237</b>	---	---
Oil Age	hrs	Client Info		<b>201</b>	---	---
Oil Changed	Client Info			<b>Changed</b>	---	---
Sample Status				<b>SEVERE</b>	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Glycol	WC Method			<b>NEG</b>	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>80	<b>5</b>	---	---
Chromium	ppm	ASTM D5185(m)	>6	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m)	>95	<b>3</b>	---	---
Copper	ppm	ASTM D5185(m)	>85	<b>1</b>	---	---
Tin	ppm	ASTM D5185(m)	>9	<b>&lt;1</b>	---	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	---	---

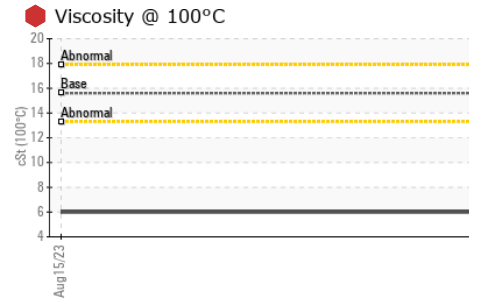
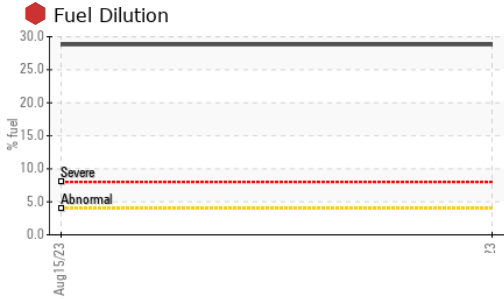
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	<b>4</b>	---	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	60	<b>33</b>	---	---
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	1010	<b>502</b>	---	---
Calcium	ppm	ASTM D5185(m)	1070	<b>619</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>606</b>	---	---
Zinc	ppm	ASTM D5185(m)	1270	<b>666</b>	---	---
Sulfur	ppm	ASTM D5185(m)	2060	<b>1509</b>	---	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>4</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>8</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	---	---
Fuel	%	ASTM D7593*	>4.0	<b>28.8</b>	---	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.1</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>17.7</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.6</b>	---	---

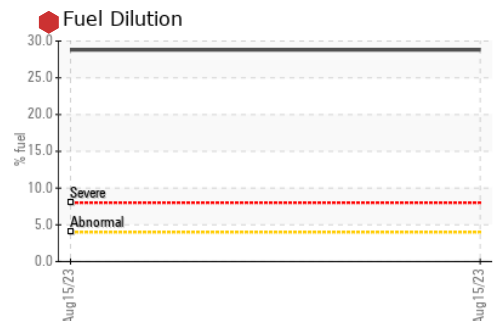
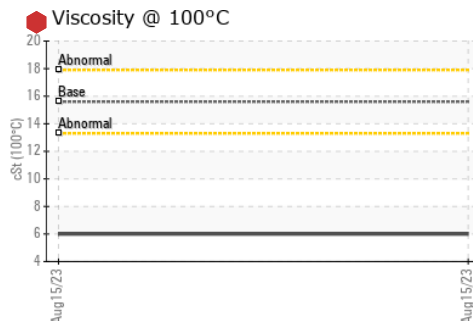
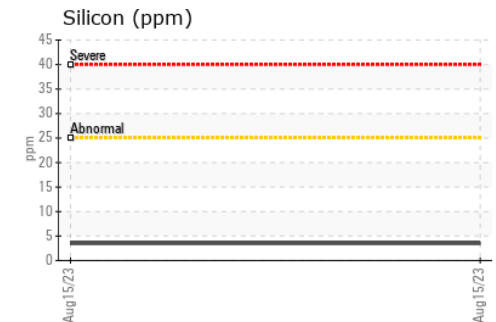
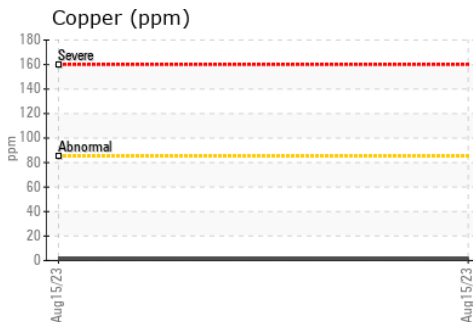
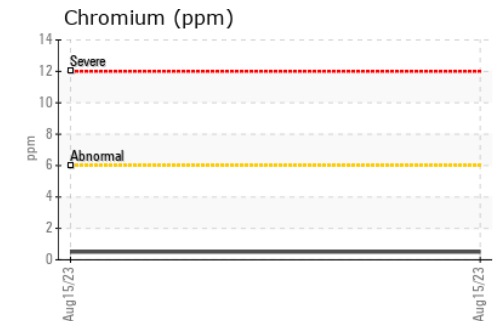
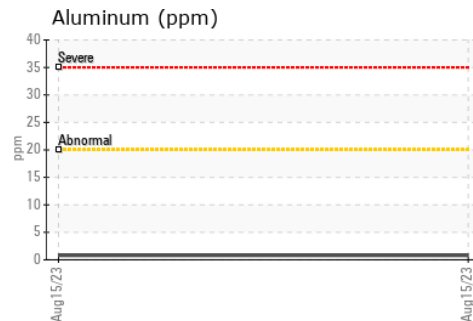
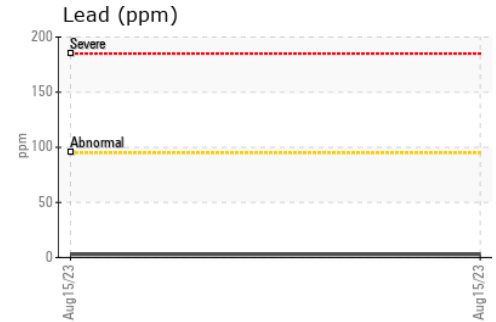
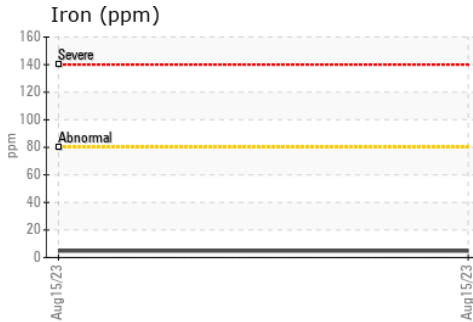
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	6	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0020227 **Received** : 17 Aug 2023  
**Lab Number** : 02576409 **Diagnosed** : 18 Aug 2023  
**Unique Number** : 5629469 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, PercentFuel )

**Wajax Power Systems**  
 70 Raddall Avenue  
 Dartmouth, NS  
 CA B3B 1T7  
 Contact: Holly Hinton  
 hhinton@wajax.com  
 T:  
 F: (902)468-3325

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.