



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ABNORMAL

Machine Id
SL08
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

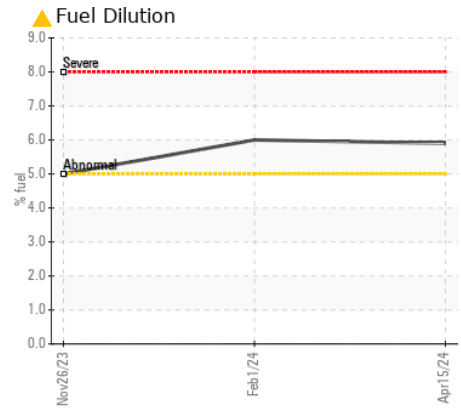
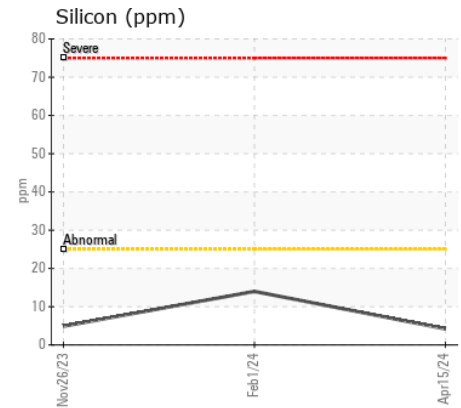
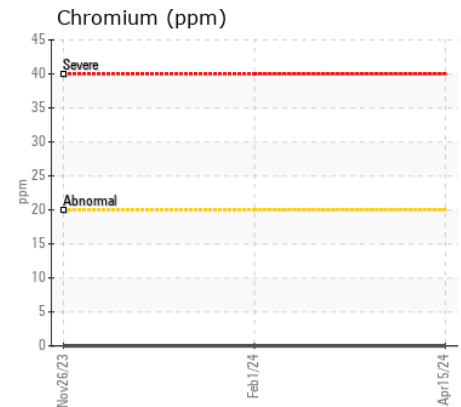
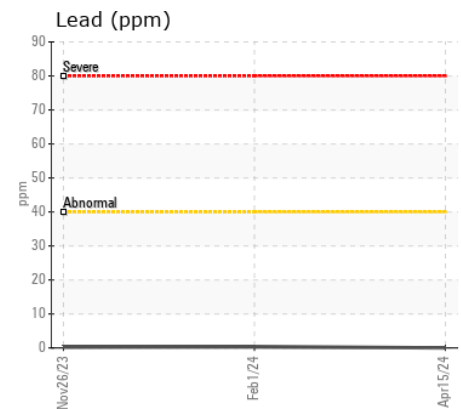
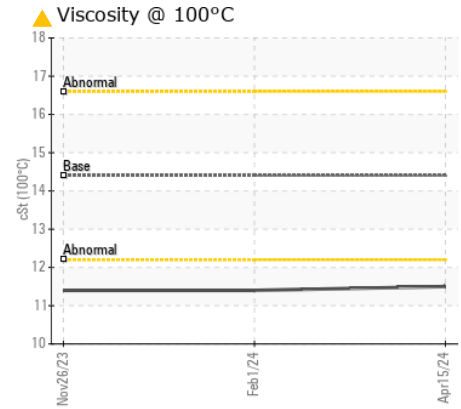
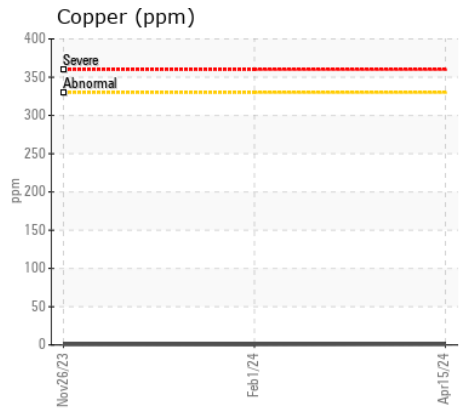
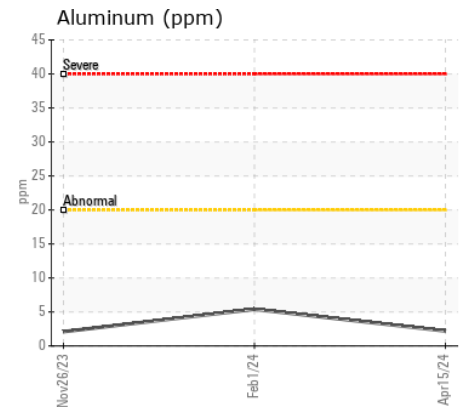
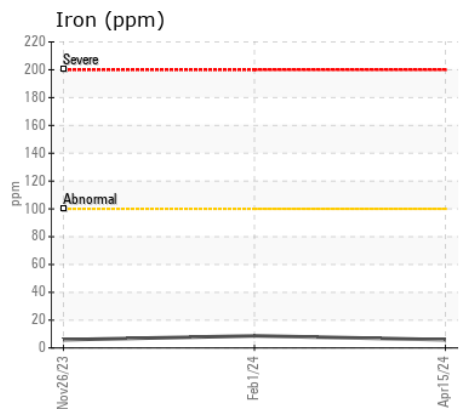
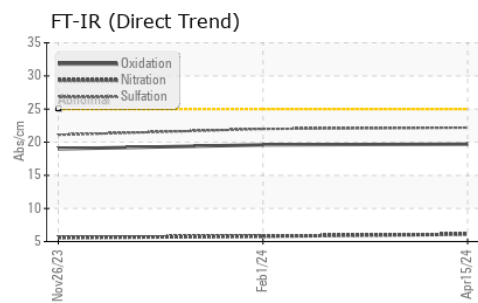
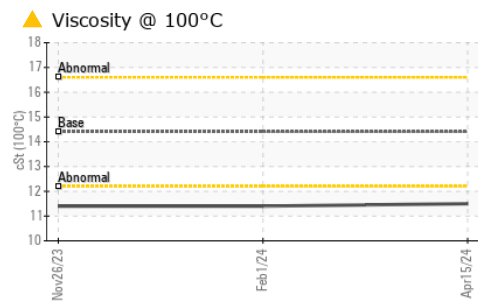
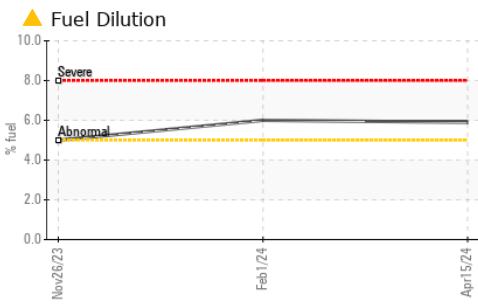
CONTAMINATION

There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0916277	WC0883883	WC0879743
Sample Date		Client Info		15 Apr 2024	01 Feb 2024	26 Nov 2023
Machine Age	hrs	Client Info		0	0	0
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				ABNORMAL	ABNORMAL	ABNORMAL
<hr/>						
Iron	ppm	ASTM D5185(m)	>100	6	9	6
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>4	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	5	2
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
<hr/>						
Silicon	ppm	ASTM D5185(m)	>25	4	14	5
Potassium	ppm	ASTM D5185(m)	>20	0	2	<1
Fuel	%	ASTM D7593*	>5	▲ 5.9	▲ 6	▲ 5
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.1	0.1	0.1
Nitration	Abs/cm	ASTM D7624*	>20	6.1	5.8	5.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.2	22.0	21.1
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
<hr/>						
Sodium	ppm	ASTM D5185(m)	>158	3	3	3
Boron	ppm	ASTM D5185(m)	250	52	54	64
Barium	ppm	ASTM D5185(m)	10	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	100	37	36	33
Manganese	ppm	ASTM D5185(m)		<1	0	0
Magnesium	ppm	ASTM D5185(m)	450	479	457	417
Calcium	ppm	ASTM D5185(m)	3000	1583	1576	1624
Phosphorus	ppm	ASTM D5185(m)	1150	694	699	711
Zinc	ppm	ASTM D5185(m)	1350	802	786	838
Sulfur	ppm	ASTM D5185(m)	4250	1934	2074	2067
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.7	19.6	19.0
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	▲ 11.5	▲ 11.4	▲ 11.4



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0916277 **Received** : 17 Apr 2024
Lab Number : 02629501 **Tested** : 18 Apr 2024
Unique Number : 5762633 **Diagnosed** : 18 Apr 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: PercentFuel, Visual)

Agnico Eagle Canada
 1350 Government Rd. W, MACASSA COMPLEX
 Kirkland Lake, ON
 CA P2N 3J1
 Contact: Mike Campbell
 mike.campbell@agnicoeagle.com
 T: (705)567-5208
 F: (705)567-5221

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.