



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ABNORMAL

Machine Id
85101
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 5W40 (--- GAL)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. 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.

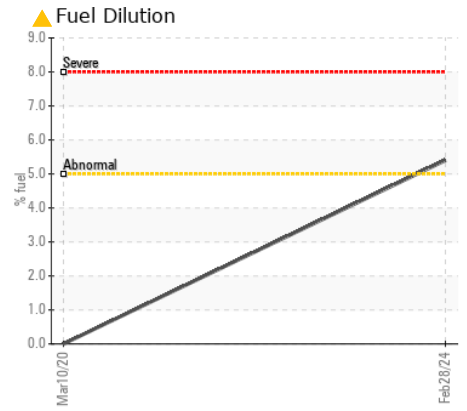
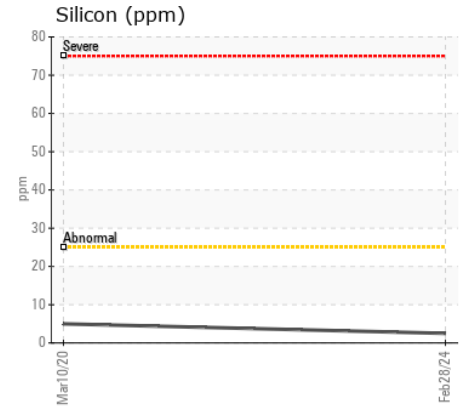
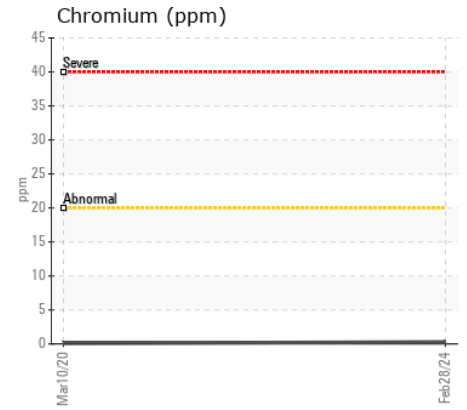
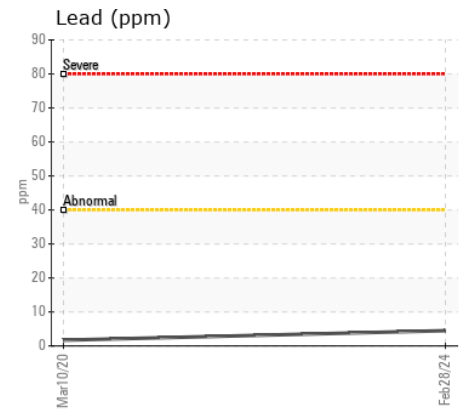
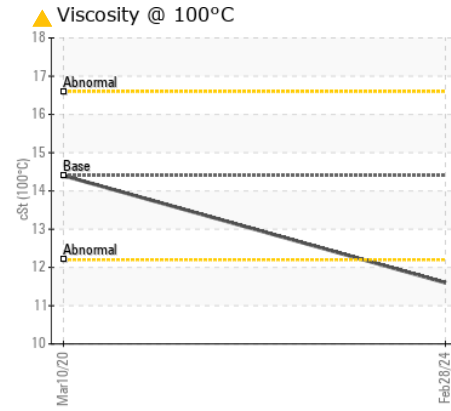
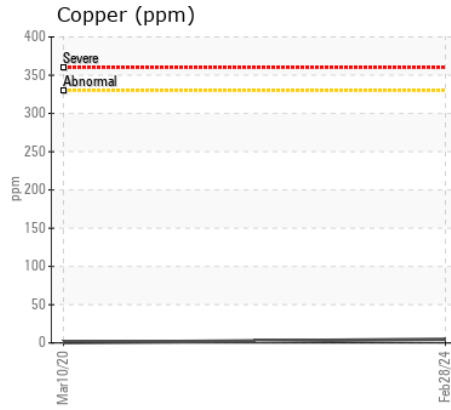
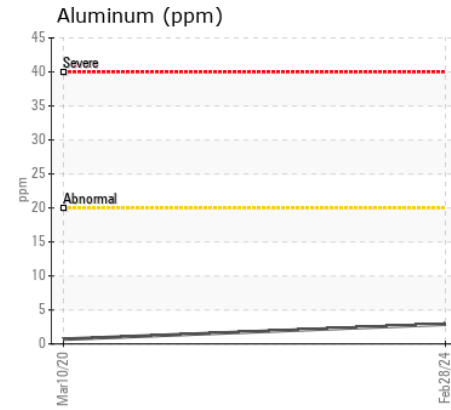
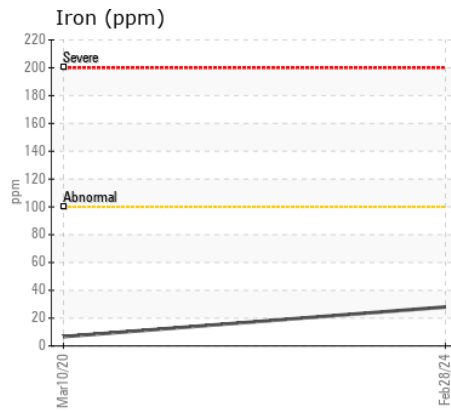
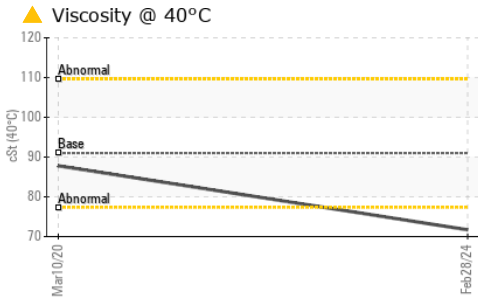
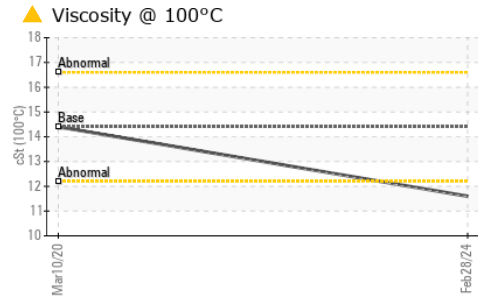
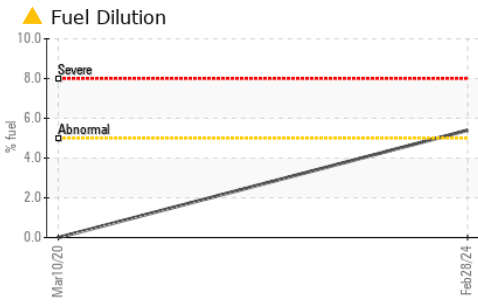
CONTAMINATION

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

FLUID CONDITION

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0084438	PC0028039	---
Sample Date		Client Info		28 Feb 2024	10 Mar 2020	---
Machine Age	hrs	Client Info		7636	5880	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				ABNORMAL	NORMAL	---
Iron	ppm	ASTM D5185(m)	>100	28	7	---
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>4	1	<1	---
Titanium	ppm	ASTM D5185(m)		0	1	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	3	<1	---
Lead	ppm	ASTM D5185(m)	>40	4	2	---
Copper	ppm	ASTM D5185(m)	>330	5	<1	---
Tin	ppm	ASTM D5185(m)	>15	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Silicon	ppm	ASTM D5185(m)	>25	2	5	---
Potassium	ppm	ASTM D5185(m)	>20	1	2	---
Fuel	%	ASTM D7593*	>5	▲ 5.4	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0.2	0.7	---
Nitration	Abs/cm	ASTM D7624*	>20	7.6	7.3	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.0	25.5	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185(m)	>44	2	2	---
Boron	ppm	ASTM D5185(m)	250	7	173	---
Barium	ppm	ASTM D5185(m)	10	0	<1	---
Molybdenum	ppm	ASTM D5185(m)	100	50	10	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)	450	783	103	---
Calcium	ppm	ASTM D5185(m)	3000	1159	1985	---
Phosphorus	ppm	ASTM D5185(m)	1150	946	971	---
Zinc	ppm	ASTM D5185(m)	1350	1074	1095	---
Sulfur	ppm	ASTM D5185(m)	4250	2683	2868	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.3	16.2	---
Visc @ 40°C	cSt	ASTM D7279(m)	91	▲ 71.7	87.8	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	▲ 11.6	14.4	---
Viscosity Index (VI)	Scale	ASTM D2270*	164	156	170	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0084438
Lab Number : 02618877
Unique Number : 5735987
Test Package : MOB 1 (Additional Tests: FuelDilution, KV40, PercentFuel, VI)

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 Contact: Martin Trudel
 mtrudel@michaudville.com

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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F: