



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
MICHAUDVILLE
Machine Id
5510
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0088537	PC0078088	PC0057191
Sample Date		Client Info		03 Apr 2024	13 Sep 2023	17 Nov 2022
Machine Age	hrs	Client Info		7056	6690	6850
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	6	9	4
Chromium	ppm	ASTM D5185(m)	>20	0	<1	0
Nickel	ppm	ASTM D5185(m)	>4	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	<1	▲ 5
Aluminum	ppm	ASTM D5185(m)	>20	4	7	4
Lead	ppm	ASTM D5185(m)	>40	0	0	0
Copper	ppm	ASTM D5185(m)	>330	1	2	1
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

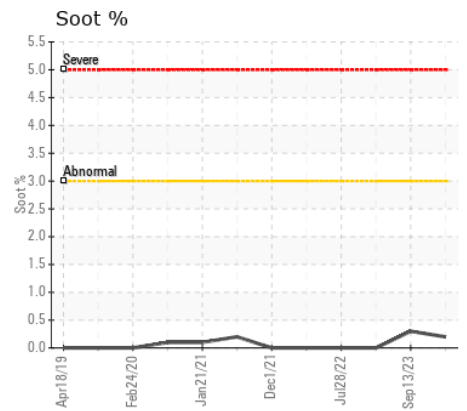
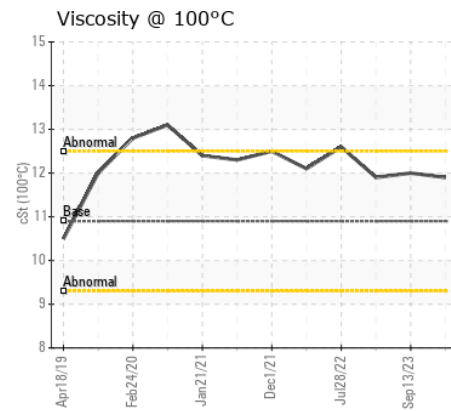
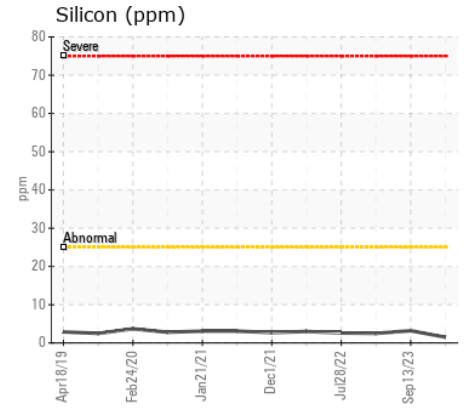
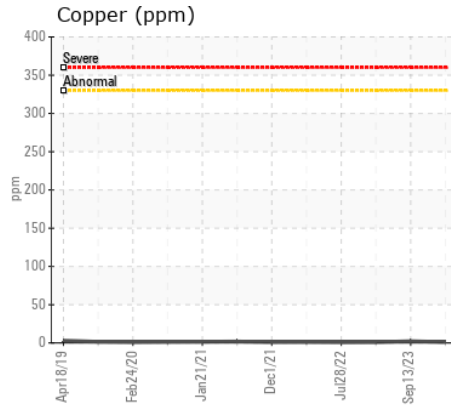
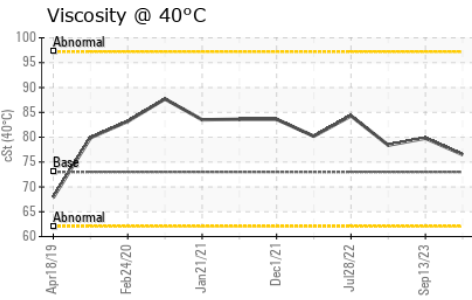
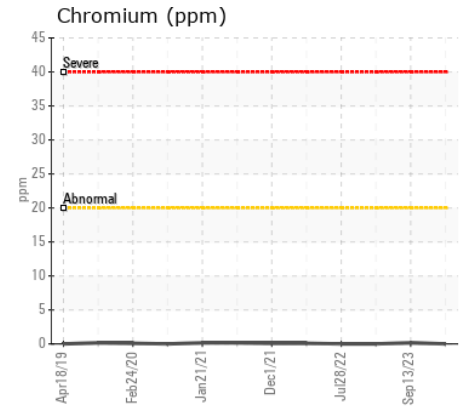
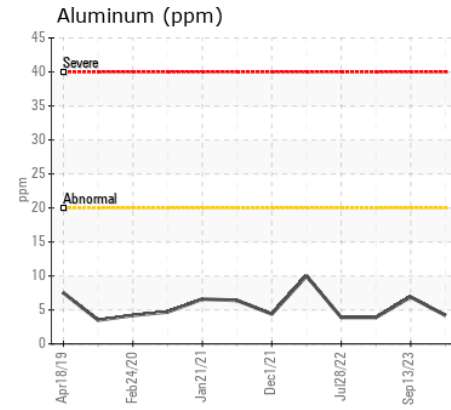
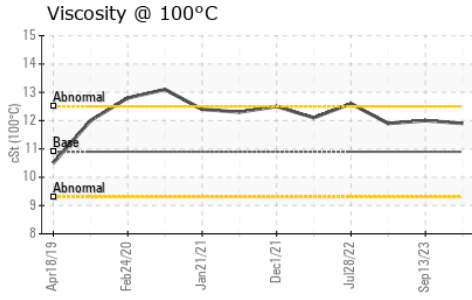
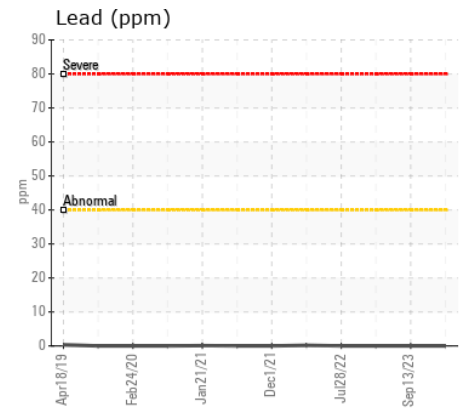
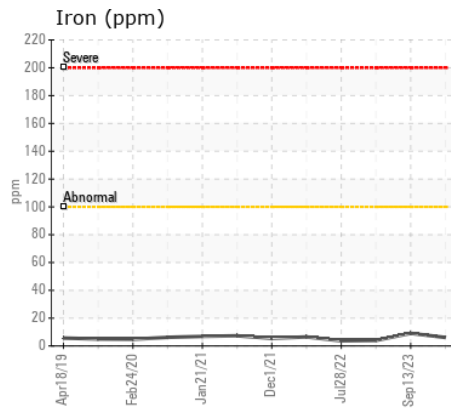
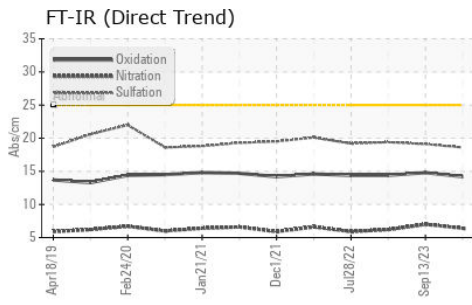
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	2	3	2
Potassium	ppm	ASTM D5185(m)	>20	<1	0	0
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.2	0.3	0
Nitration	Abs/cm	ASTM D7624*	>20	6.4	7.0	6.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.6	19.1	19.4
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	3	2
Boron	ppm	ASTM D5185(m)	250	1	<1	1
Barium	ppm	ASTM D5185(m)	10	0	0	0
Molybdenum	ppm	ASTM D5185(m)	100	57	59	56
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	953	967	913
Calcium	ppm	ASTM D5185(m)	3000	1130	1122	1171
Phosphorus	ppm	ASTM D5185(m)	1150	998	1061	1065
Zinc	ppm	ASTM D5185(m)	1350	1164	1182	1171
Sulfur	ppm	ASTM D5185(m)	4250	2548	2608	2669
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.2	14.8	14.4
Visc @ 40°C	cSt	ASTM D7279(m)	73	76.5	79.8	78.4
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	11.9	12.0	11.9
Viscosity Index (VI)	Scale	ASTM D2270*	138	150	145	146



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088537
Lab Number : 02626569
Unique Number : 5759701
Test Package : MOB 1 (Additional Tests: KV40, VI)

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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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