



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
MICHAUDVILLE

Machine Id
F55064

Component
Diesel Engine

Fluid
DIESEL ENGINE OIL SAE 5W40 (--- 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		PC0085079	PC0082362	PC0078408
Sample Date		Client Info		26 Jun 2024	14 Nov 2023	13 Sep 2023
Machine Age	hrs	Client Info		3760	3250	1097
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	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	12	10	6
Chromium	ppm	ASTM D5185(m)	>20	1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	3	2	1
Lead	ppm	ASTM D5185(m)	>40	0	0	0
Copper	ppm	ASTM D5185(m)	>330	<1	1	<1
Tin	ppm	ASTM D5185(m)	>15	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

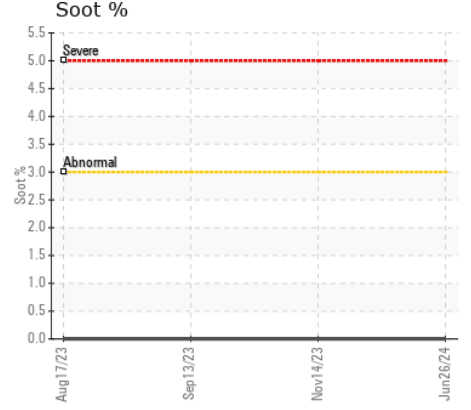
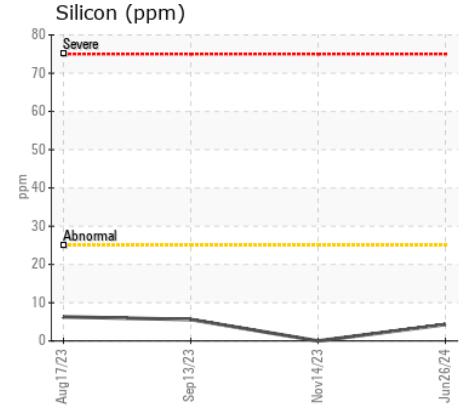
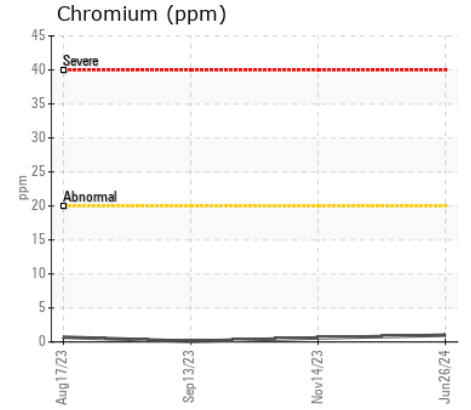
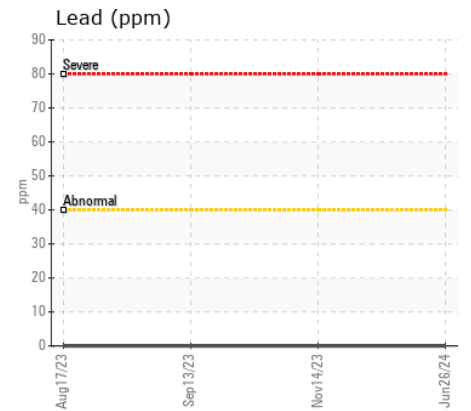
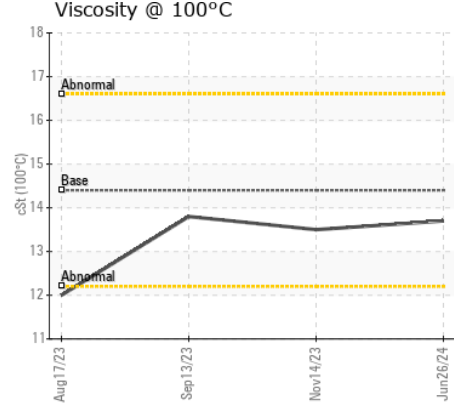
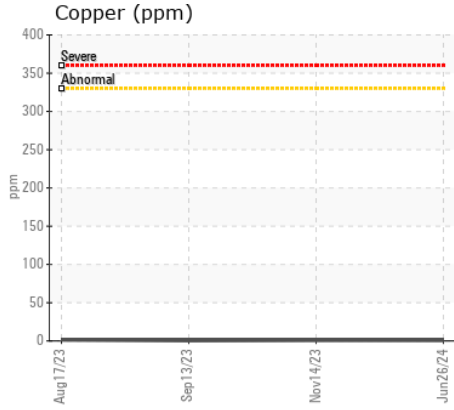
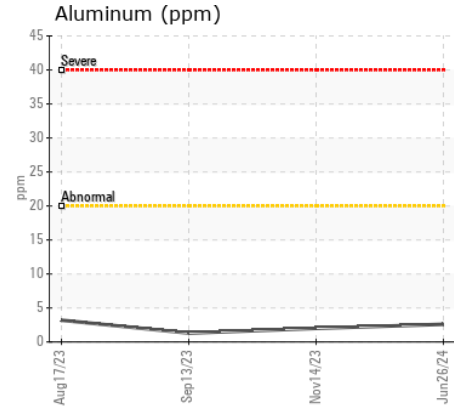
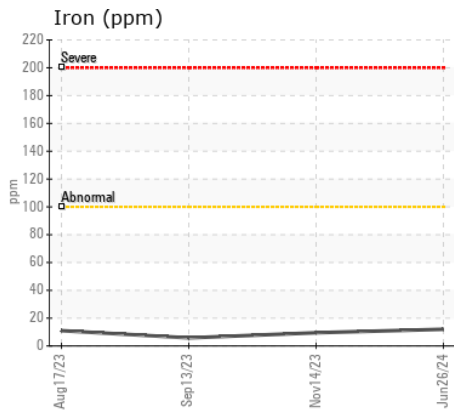
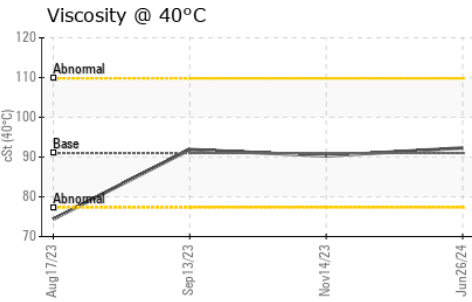
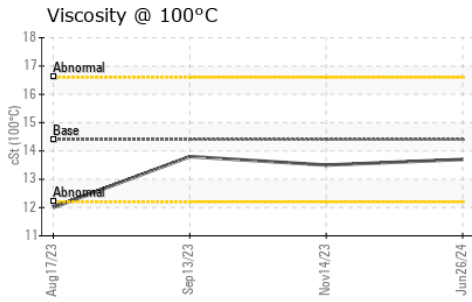
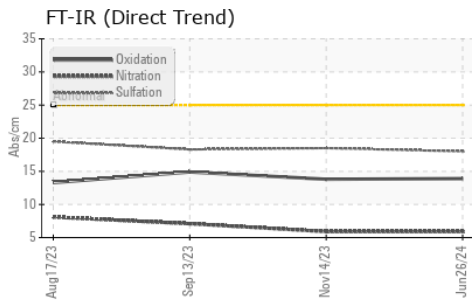
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	4	0	6
Potassium	ppm	ASTM D5185(m)	>20	<1	0	2
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	0	0
Nitration	Abs/cm	ASTM D7624*	>20	5.9	5.9	7.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.0	18.5	18.3
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)	>44	1	1	2
Boron	ppm	ASTM D5185(m)	250	3	8	9
Barium	ppm	ASTM D5185(m)	10	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	100	55	51	62
Manganese	ppm	ASTM D5185(m)		<1	0	<1
Magnesium	ppm	ASTM D5185(m)	450	939	921	928
Calcium	ppm	ASTM D5185(m)	3000	1109	1078	1102
Phosphorus	ppm	ASTM D5185(m)	1150	973	960	1045
Zinc	ppm	ASTM D5185(m)	1350	1174	1120	1169
Sulfur	ppm	ASTM D5185(m)	4250	2529	2493	2599
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.9	13.8	14.9
Visc @ 40°C	cSt	ASTM D7279(m)	91	92.3	90.3	91.9
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.7	13.5	13.8
Viscosity Index (VI)	Scale	ASTM D2270*	164	150	151	153



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0085079
Lab Number : 02644319
Unique Number : 5801858
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.