



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
MICHAUDVILLE

Machine Id

5503

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		PC0084439	PC0048168	PC0018965
Sample Date		Client Info		28 Feb 2024	17 Jun 2021	10 Sep 2019
Machine Age	hrs	Client Info		7652	6367	5743
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	41	22	44
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	7	5	7
Lead	ppm	ASTM D5185(m)	>40	2	<1	<1
Copper	ppm	ASTM D5185(m)	>330	1	<1	1
Tin	ppm	ASTM D5185(m)	>15	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

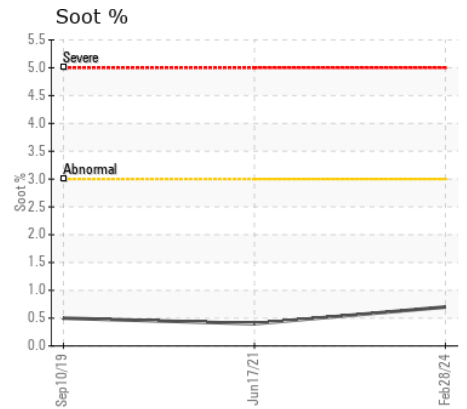
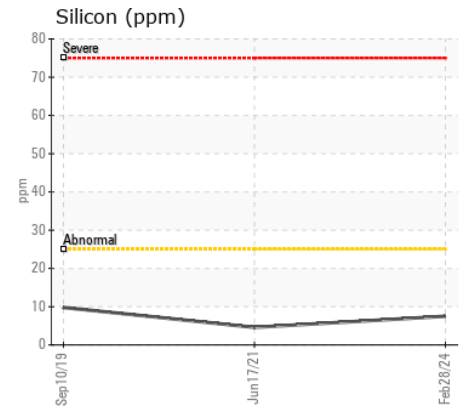
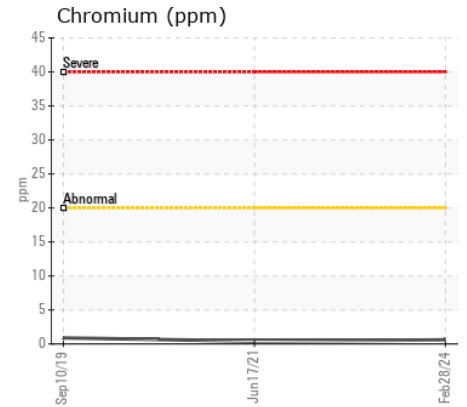
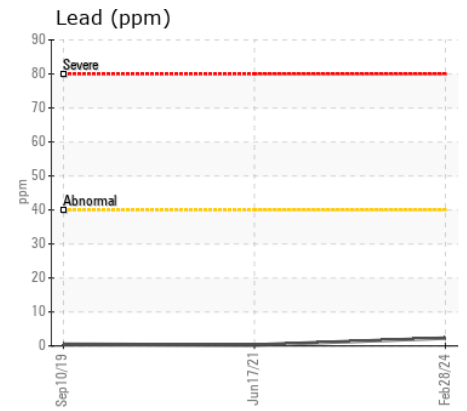
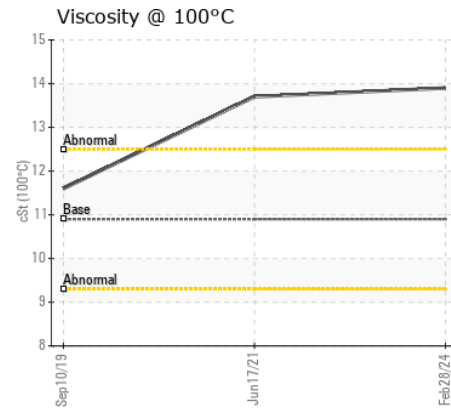
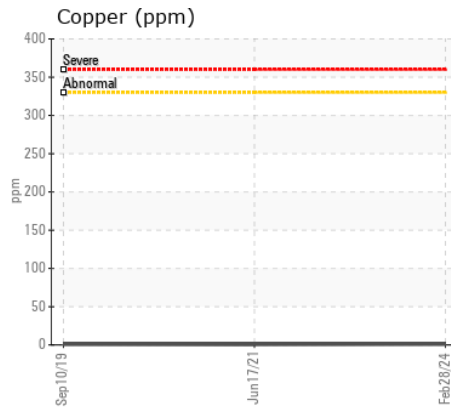
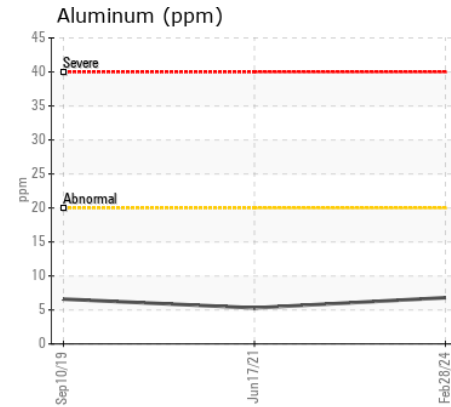
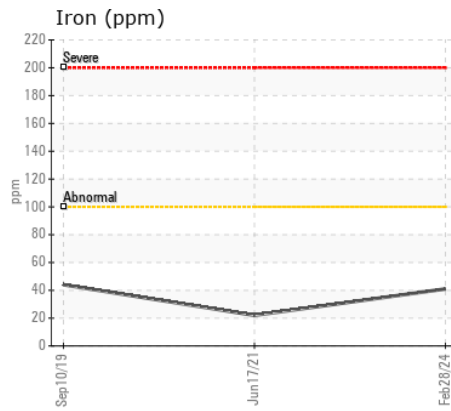
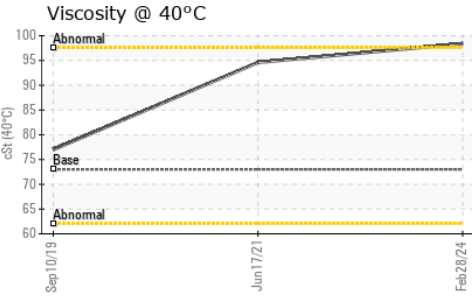
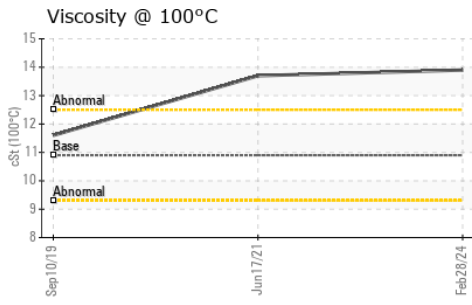
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	8	5	10
Potassium	ppm	ASTM D5185(m)	>20	1	<1	1
Fuel		WC Method	>5	<1.0	<1.0	0.9
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.7	0.4	0.5
Nitration	Abs/cm	ASTM D7624*	>20	11.9	9.7	11.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.8	20.5	23.5
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	2	2
Boron	ppm	ASTM D5185(m)	250	2	2	5
Barium	ppm	ASTM D5185(m)	10	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	100	64	59	61
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	1028	963	937
Calcium	ppm	ASTM D5185(m)	3000	1175	1118	1336
Phosphorus	ppm	ASTM D5185(m)	1150	1050	1012	1065
Zinc	ppm	ASTM D5185(m)	1350	1288	1269	1316
Sulfur	ppm	ASTM D5185(m)	4250	2562	2568	2596
Oxidation	Abs/.1mm	ASTM D7414*	>25	21.5	17.3	18.5
Visc @ 40°C	cSt	ASTM D7279(m)	73	98.4	94.6	77
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	13.9	13.7	11.6
Viscosity Index (VI)	Scale	ASTM D2270*	138	143	146	143



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0084439
Lab Number : 02618881
Unique Number : 5735991
Test Package : MOB 1 (Additional Tests: KV40, VI)

LES ENTREPRISES MICHAUDVILLE INC.
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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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