



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
109
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0737441	WC0737440	WC0737442
Sample Date		Client Info		06 May 2024	03 Oct 2023	15 Feb 2023
Machine Age	kms	Client Info		497040	436772	372490
Oil Age	kms	Client Info		60268	64252	55407
Filter Age	kms	Client Info		60268	64252	55407
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>120	28	29	29
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	8	5	6
Lead	ppm	ASTM D5185(m)	>40	<1	2	1
Copper	ppm	ASTM D5185(m)	>330	7	7	12
Tin	ppm	ASTM D5185(m)	>15	<1	1	2
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

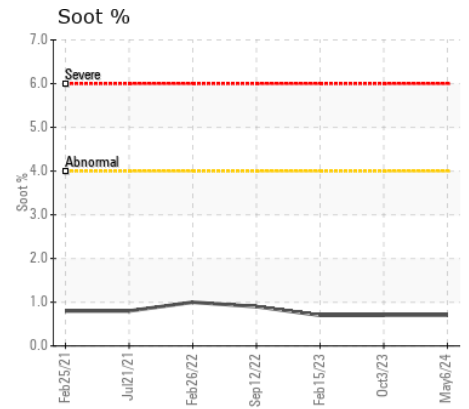
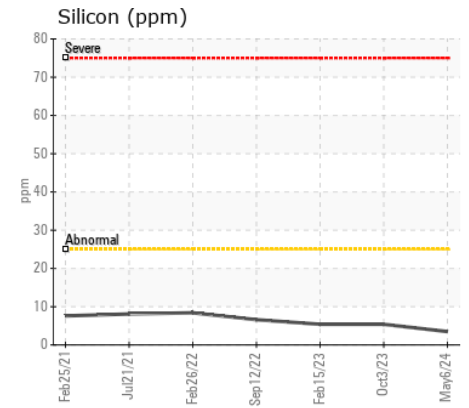
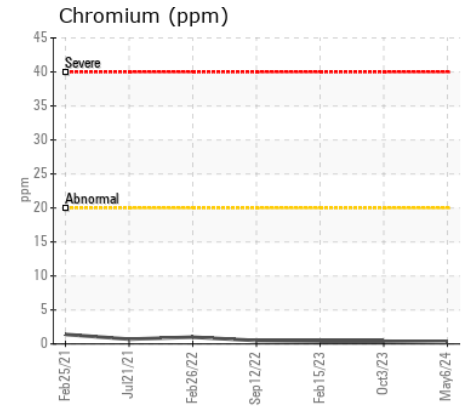
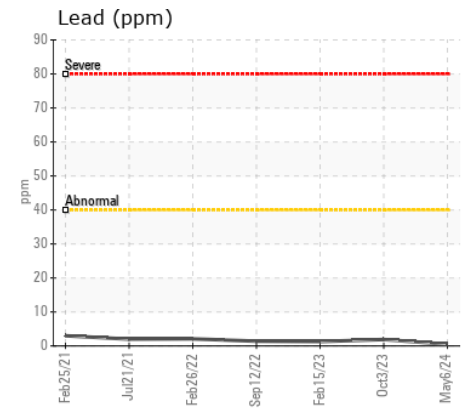
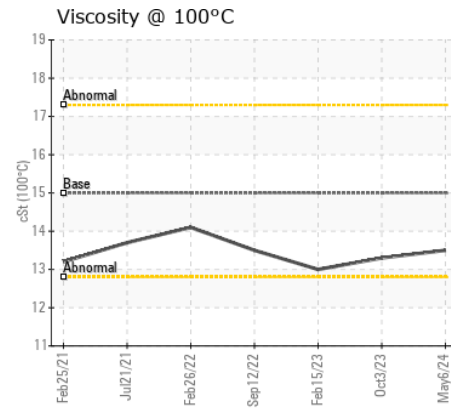
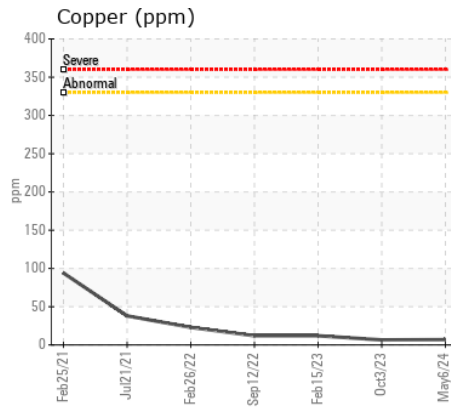
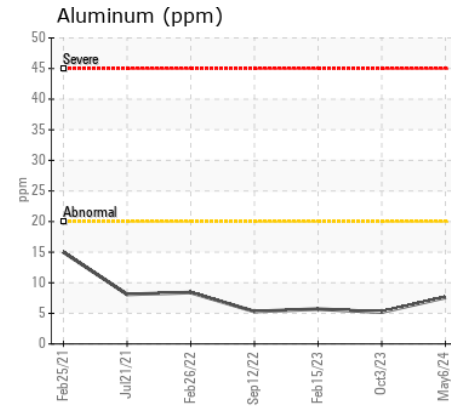
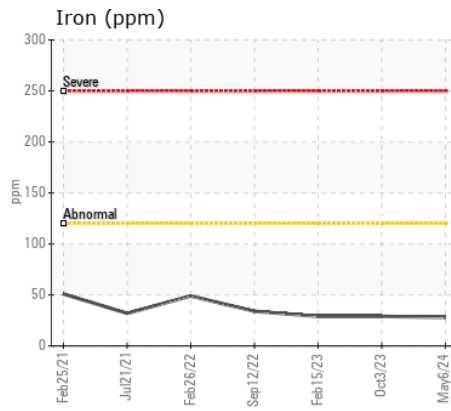
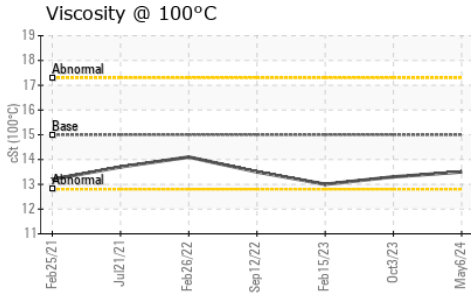
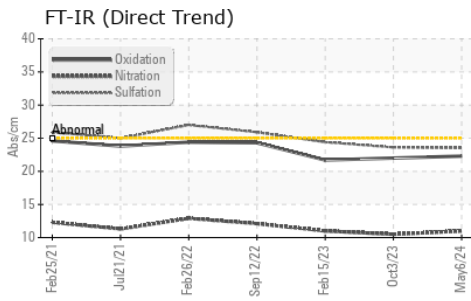
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	4	5	5
Potassium	ppm	ASTM D5185(m)	>20	3	4	5
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>4	0.7	0.7	0.7
Nitration	Abs/cm	ASTM D7624*	>20	11.0	10.5	11.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.5	23.6	24.4
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)		4	4	3
Boron	ppm	ASTM D5185(m)	0	14	15	13
Barium	ppm	ASTM D5185(m)	0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	0	44	43	43
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	0	507	532	513
Calcium	ppm	ASTM D5185(m)		1697	1733	1767
Phosphorus	ppm	ASTM D5185(m)		684	702	735
Zinc	ppm	ASTM D5185(m)		871	889	860
Sulfur	ppm	ASTM D5185(m)		1943	1988	2008
Oxidation	Abs/.1mm	ASTM D7414*	>25	22.3	22.0	21.7
Visc @ 100°C	cSt	ASTM D7279(m)	15.0	13.5	13.3	13.0



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0737441 **Received** : 14 May 2024
Lab Number : 02635228 **Tested** : 14 May 2024
Unique Number : 5776381 **Diagnosed** : 14 May 2024 - Kevin Marson
Test Package : MOB 1

GRANT OLIVER
 9280 County Road 2
 NAPANEE, ON
 CA K7R 3L1
 Contact: Grant Oliver

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.

T: (613)536-8671
 F: