



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
SL885332
Component
Diesel Engine
Fluid
MOBIL 15W40 (--- 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		WC0861418	WC0886143	WC
Sample Date		Client Info		11 Jan 2024	15 Dec 2023	03 Dec 2023
Machine Age	hrs	Client Info		4259	4224	4209
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	N/A	N/A
Filter Changed		Client Info		Not Chngd	N/A	N/A
Sample Status				NORMAL	ABNORMAL	SEVERE

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	41	69	▲ 168
Chromium	ppm	ASTM D5185(m)	>20	4	4	17
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	<1
Aluminum	ppm	ASTM D5185(m)	>20	11	11	▲ 51
Lead	ppm	ASTM D5185(m)	>40	6	4	25
Copper	ppm	ASTM D5185(m)	>330	3	35	11
Tin	ppm	ASTM D5185(m)	>15	1	1	4
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

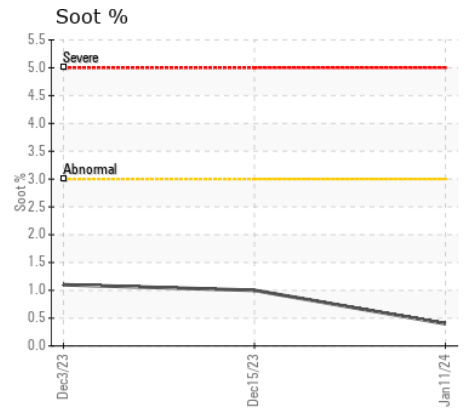
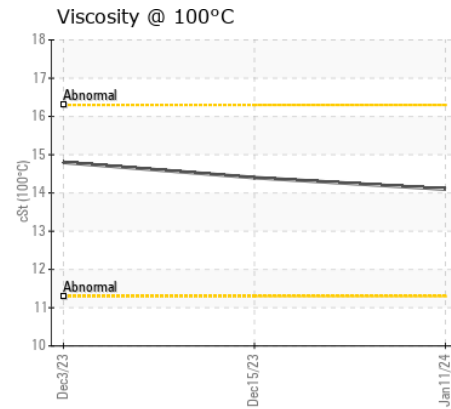
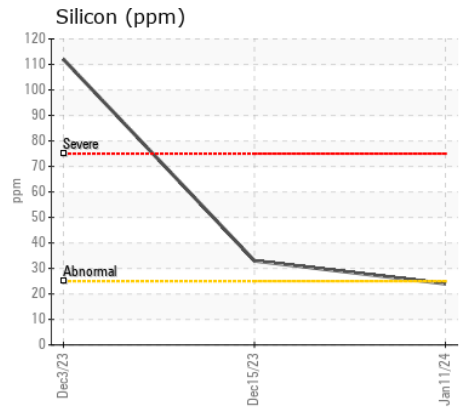
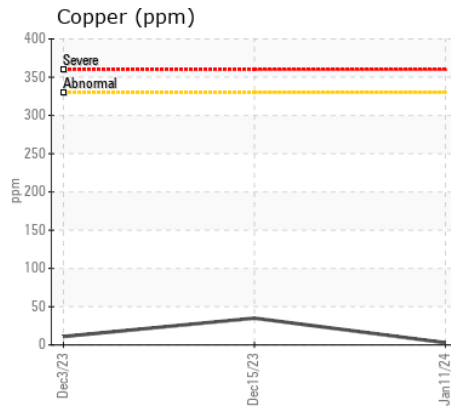
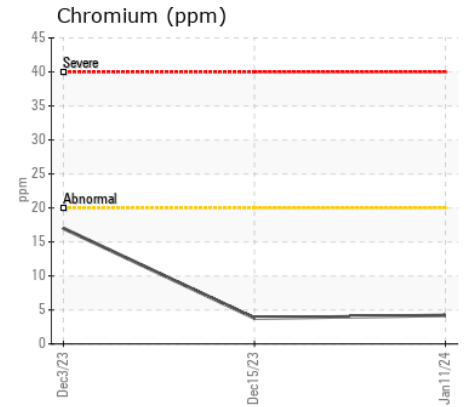
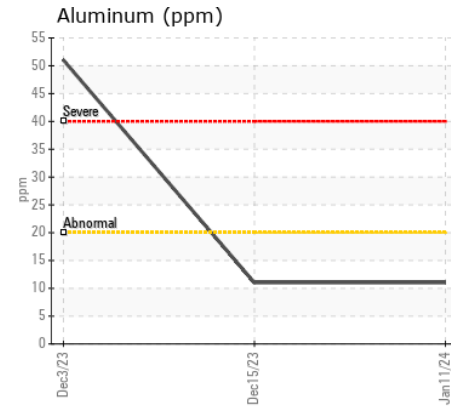
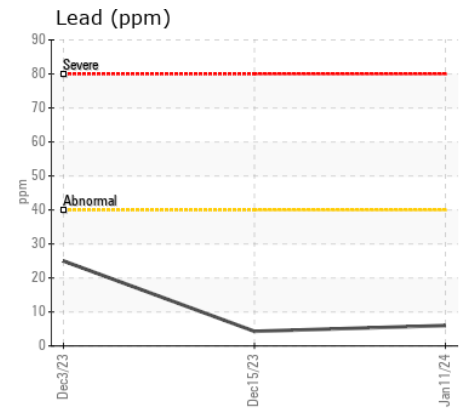
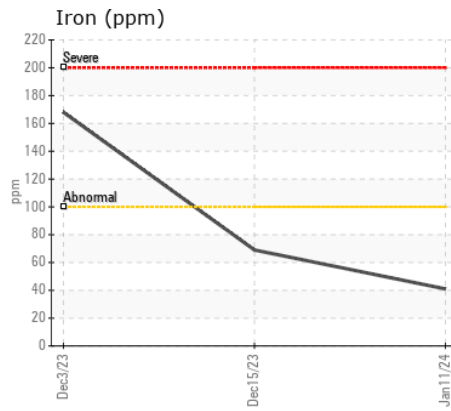
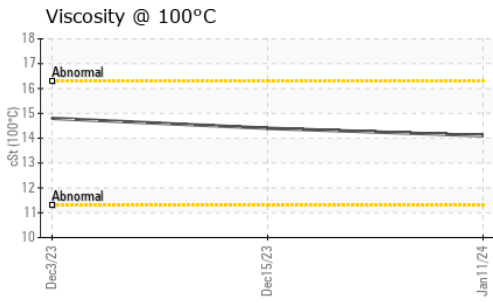
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	24	▲ 33	● 112
Potassium	ppm	ASTM D5185(m)	>20	4	2	22
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	0.0
Soot %	%	ASTM D7844*	>3	0.4	1	1.1
Nitration	Abs/cm	ASTM D7624*	>20	6.3	7.7	8.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.4	20.4	21.8
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)	>118	5	4	19
Boron	ppm	ASTM D5185(m)		54	14	9
Barium	ppm	ASTM D5185(m)		<1	2	2
Molybdenum	ppm	ASTM D5185(m)		42	54	54
Manganese	ppm	ASTM D5185(m)		<1	15	2
Magnesium	ppm	ASTM D5185(m)		567	776	874
Calcium	ppm	ASTM D5185(m)		1638	1425	1183
Phosphorus	ppm	ASTM D5185(m)		757	1000	870
Zinc	ppm	ASTM D5185(m)		878	1172	1111
Sulfur	ppm	ASTM D5185(m)		2285	2752	2629
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.8	14.1	16.3
Visc @ 100°C	cSt	ASTM D7279(m)		14.1	14.4	14.8



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0861418 **Received** : 17 Jan 2024
Lab Number : 02609218 **Diagnosed** : 17 Jan 2024
Unique Number : 5710304 **Diagnostician** : Wes Davis
Test Package : MOB 1

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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.