



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
660BRIARHILL
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1200 SP15W40 (--- 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		WC0914896	WC0555432	WC0443170
Sample Date		Client Info		03 May 2024	30 Mar 2021	08 May 2020
Machine Age	hrs	Client Info		16	0	0
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				ABNORMAL	ABNORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>100	8	13	<1
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	0
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	4	4	<1
Lead	ppm	ASTM D5185(m)	>40	0	<1	0
Copper	ppm	ASTM D5185(m)	>330	6	4	1
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

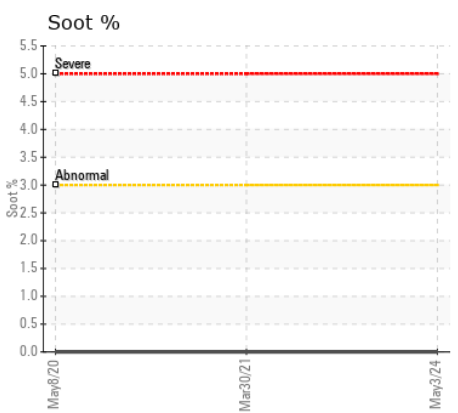
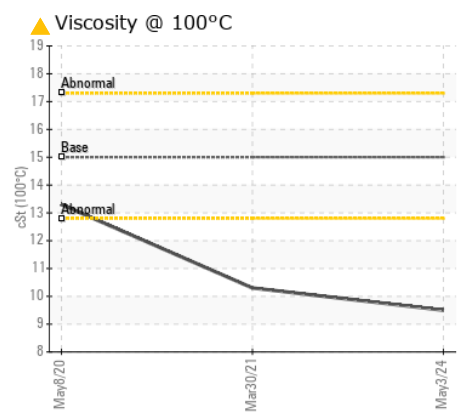
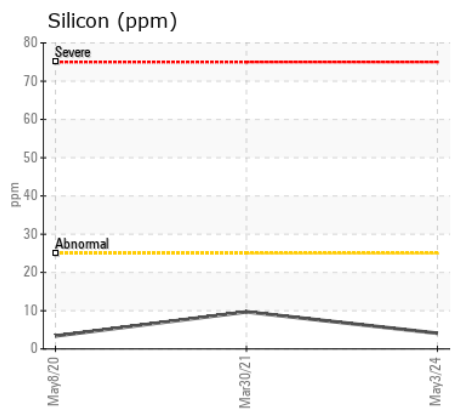
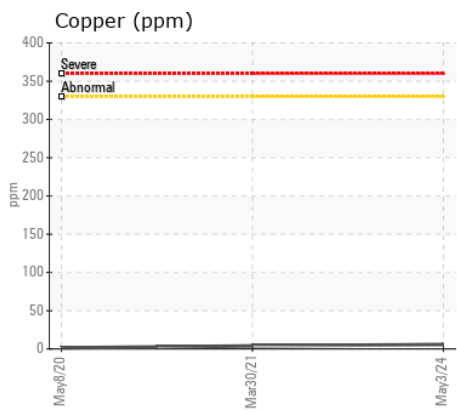
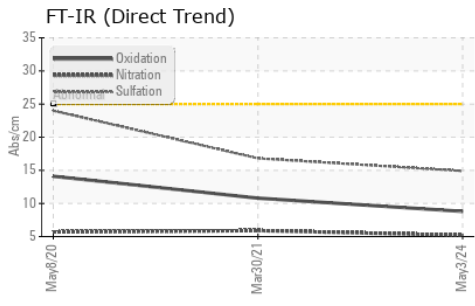
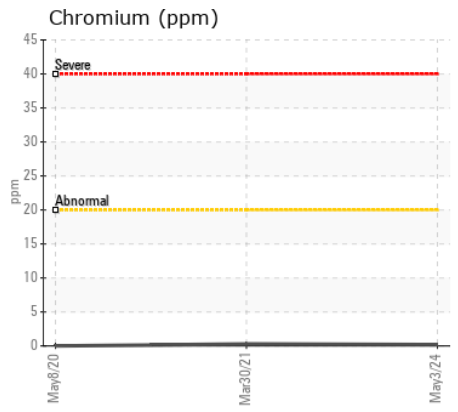
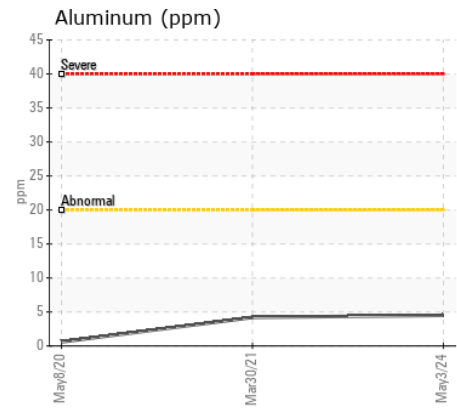
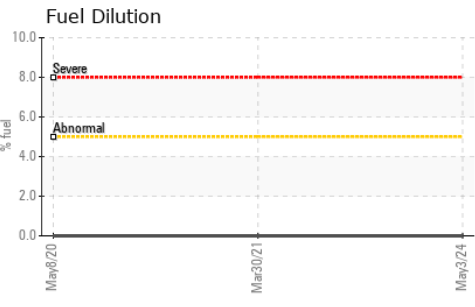
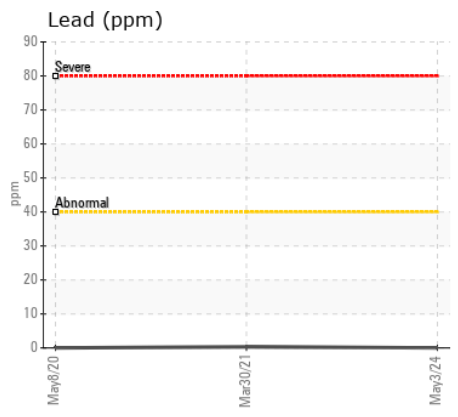
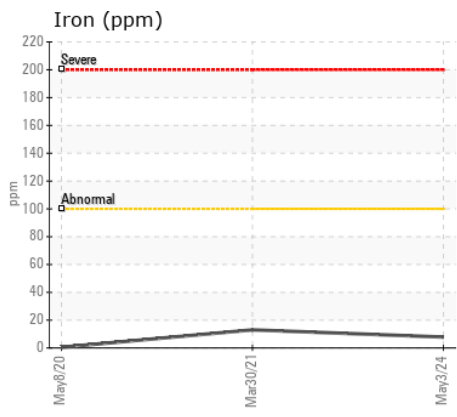
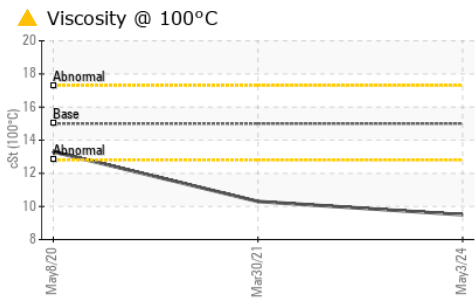
Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	4	10	3
Potassium	ppm	ASTM D5185(m)	>20	2	2	<1
Fuel	%	ASTM D7593*	>5	0.0	0.0	<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	5.2	5.9	5.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	14.9	16.8	24.0
Silt	scalar	Visual*	NONE	VLITE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		14	5	<1
Boron	ppm	ASTM D5185(m)		156	1	12
Barium	ppm	ASTM D5185(m)		3	<1	0
Molybdenum	ppm	ASTM D5185(m)		72	5	59
Manganese	ppm	ASTM D5185(m)		2	<1	<1
Magnesium	ppm	ASTM D5185(m)		496	619	956
Calcium	ppm	ASTM D5185(m)		1059	1165	1063
Phosphorus	ppm	ASTM D5185(m)		674	518	1033
Zinc	ppm	ASTM D5185(m)		820	692	1183
Sulfur	ppm	ASTM D5185(m)		2541	1859	2765
Oxidation	Abs/.1mm	ASTM D7414*	>25	8.8	10.8	14.1
Visc @ 100°C	cSt	ASTM D7279(m)	15.0	▲ 9.5	▲ 10.3	13.3



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0914896 **Received** : 20 Jun 2024
Lab Number : 02643135 **Tested** : 21 Jun 2024
Unique Number : 5800674 **Diagnosed** : 21 Jun 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel, Visual)

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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.