



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
2620
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 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		WC0883063	WC0824257	WC0824267
Sample Date		Client Info		16 Feb 2024	16 Aug 2023	13 Jul 2023
Machine Age	hrs	Client Info		5634	5245	5140
Oil Age	hrs	Client Info		389	382	277
Filter Age	hrs	Client Info		389	382	277
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)	>100	20	7	18
Chromium	ppm	ASTM D5185(m)	>20	<1	0	<1
Nickel	ppm	ASTM D5185(m)	>4	0	0	<1
Titanium	ppm	ASTM D5185(m)		83	90	92
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	4	3	4
Lead	ppm	ASTM D5185(m)	>40	<1	<1	1
Copper	ppm	ASTM D5185(m)	>330	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINATION

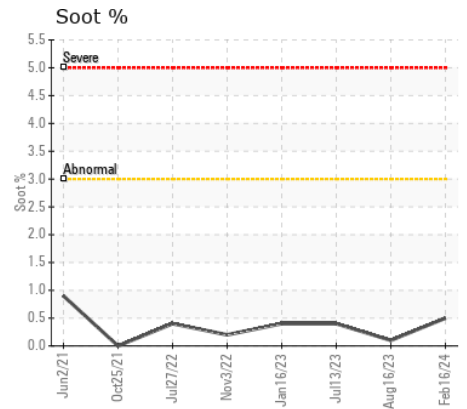
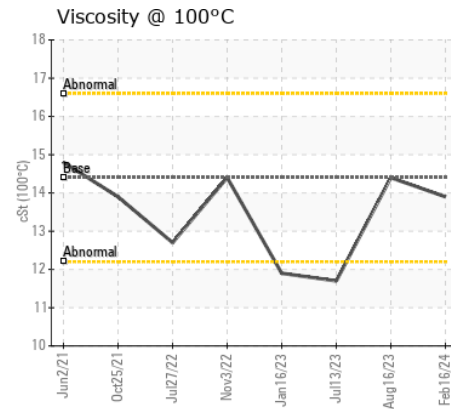
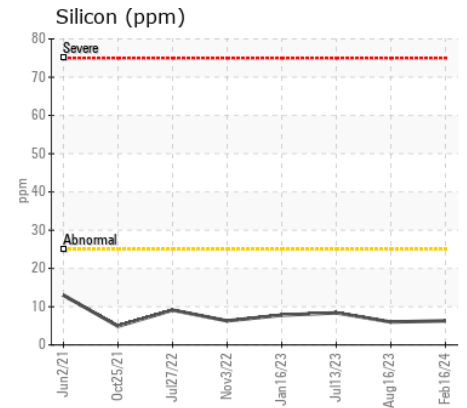
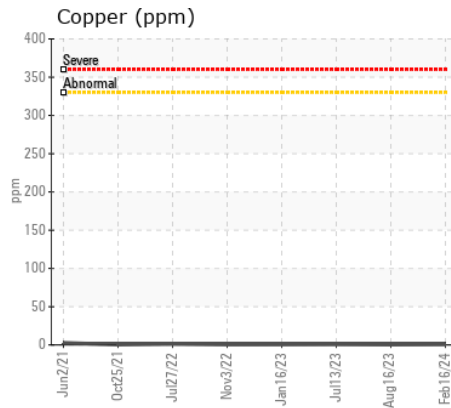
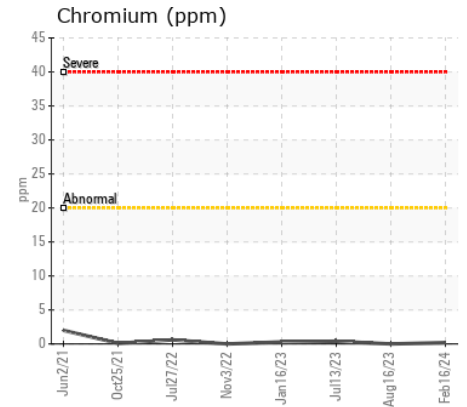
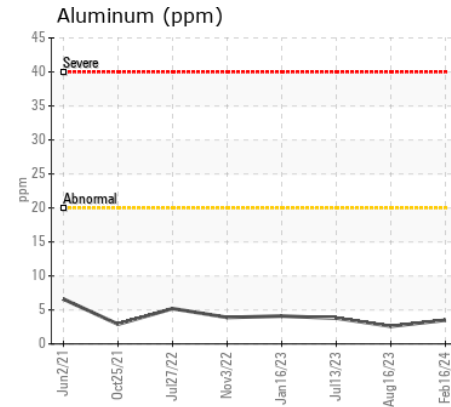
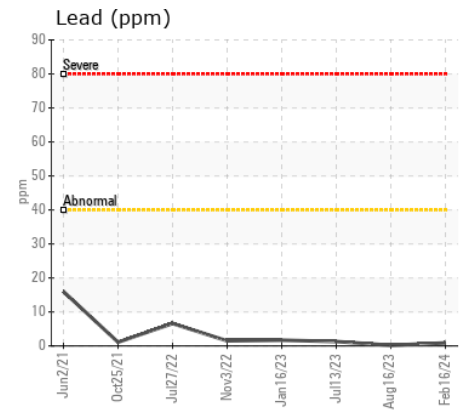
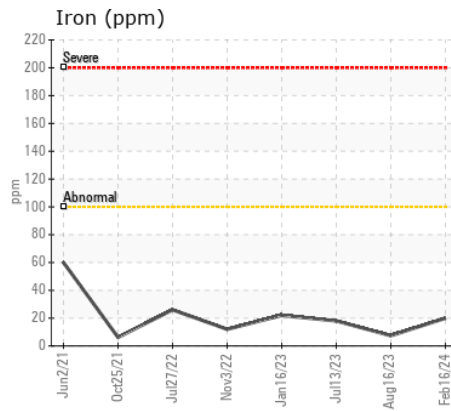
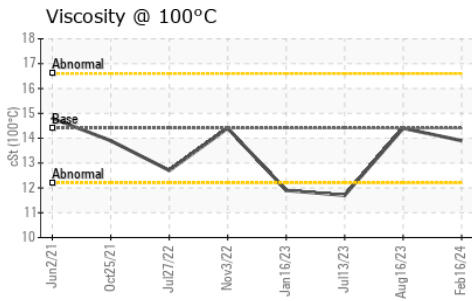
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	6	6	8
Potassium	ppm	ASTM D5185(m)	>20	3	3	3
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	0.5	0.1	0.4
Nitration	Abs/cm	ASTM D7624*	>20	11.1	8.2	10.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.5	21.4	23.0
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)	>158	3	3	3
Boron	ppm	ASTM D5185(m)	250	69	116	77
Barium	ppm	ASTM D5185(m)	10	0	0	0
Molybdenum	ppm	ASTM D5185(m)	100	5	1	1
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	403	404	385
Calcium	ppm	ASTM D5185(m)	3000	1831	1768	1801
Phosphorus	ppm	ASTM D5185(m)	1150	964	1048	1029
Zinc	ppm	ASTM D5185(m)	1350	1169	1156	1151
Sulfur	ppm	ASTM D5185(m)	4250	3008	3299	3092
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.5	15.8	18.2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.9	14.4	11.7



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0883063
Lab Number : 02624898
Unique Number : 5750017
Test Package : MOB 1
Received : 27 Mar 2024
Tested : 27 Mar 2024
Diagnosed : 27 Mar 2024 - Wes Davis

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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.