



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
5795 YONGE
 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		WC0910609	WC0783836	WC0647858
Sample Date		Client Info		18 Mar 2024	22 Feb 2023	28 Feb 2022
Machine Age	hrs	Client Info		0	0	250
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				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	6	8	1
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	2	<1
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)	>330	8	19	5
Tin	ppm	ASTM D5185(m)	>15	0	<1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

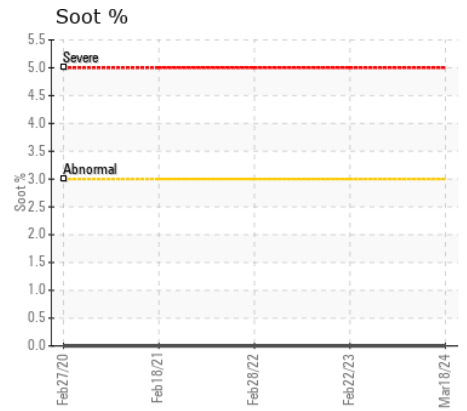
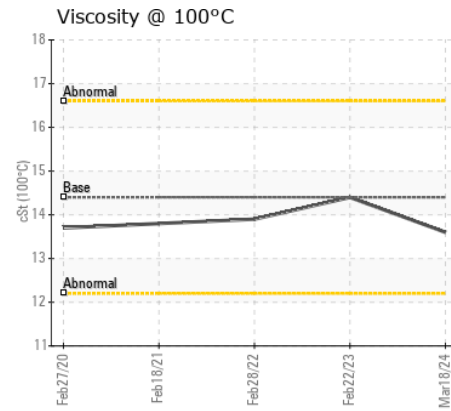
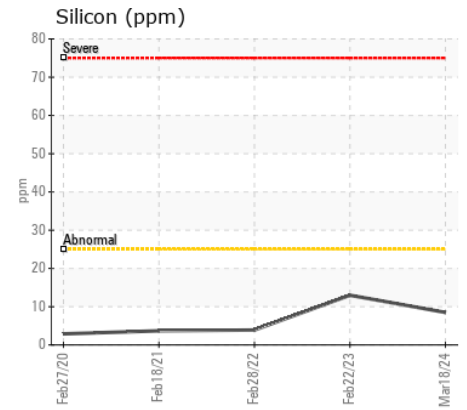
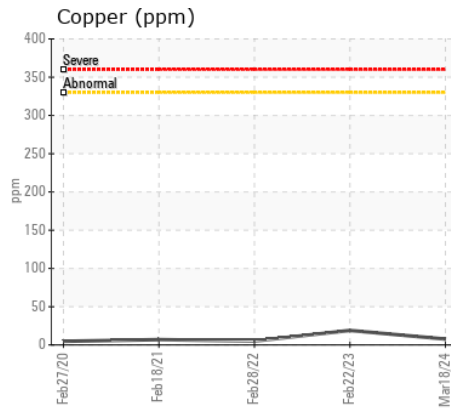
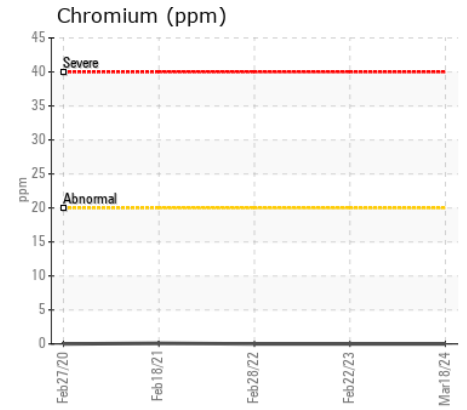
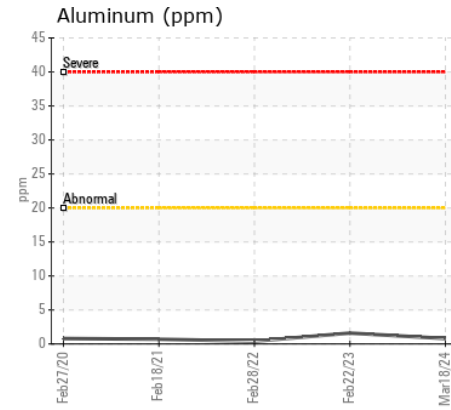
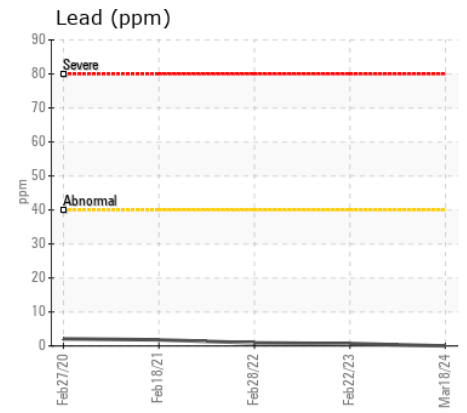
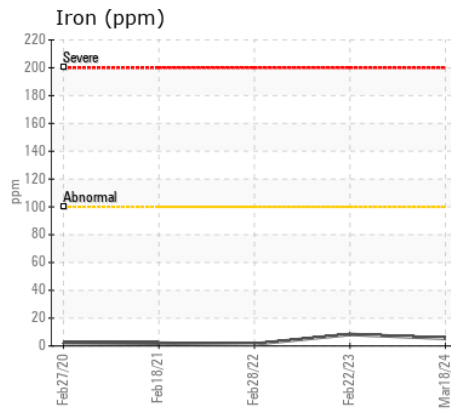
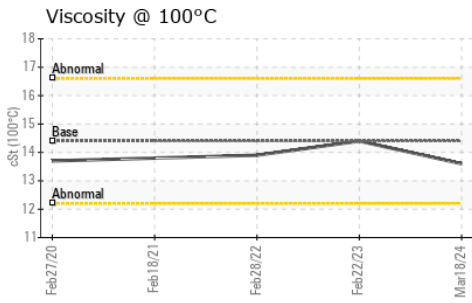
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	8	13	4
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
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	0	0
Nitration	Abs/cm	ASTM D7624*	>20	4.5	4.5	4.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.1	19.7	20.1
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	5	1
Boron	ppm	ASTM D5185(m)	250	8	16	<1
Barium	ppm	ASTM D5185(m)	10	2	5	0
Molybdenum	ppm	ASTM D5185(m)	100	56	51	56
Manganese	ppm	ASTM D5185(m)		<1	5	<1
Magnesium	ppm	ASTM D5185(m)	450	931	857	984
Calcium	ppm	ASTM D5185(m)	3000	1082	1283	1014
Phosphorus	ppm	ASTM D5185(m)	1150	977	1024	1049
Zinc	ppm	ASTM D5185(m)	1350	1120	1099	1207
Sulfur	ppm	ASTM D5185(m)	4250	2677	2709	2776
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.4	11.7	13.4
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.6	14.4	13.9



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0910609
Lab Number : 02625630
Unique Number : 5750749
Test Package : MOB 1
Received : 01 Apr 2024
Tested : 01 Apr 2024
Diagnosed : 01 Apr 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.