



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[25077]

Machine Id

20-105

Component

Diesel Engine

Fluid

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

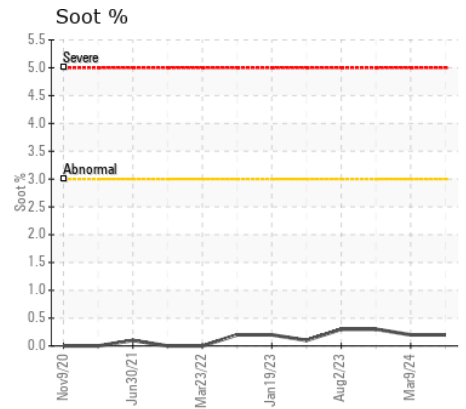
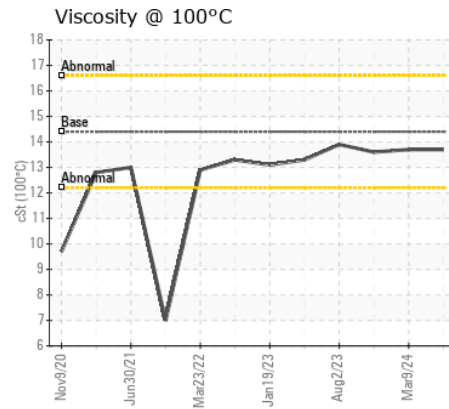
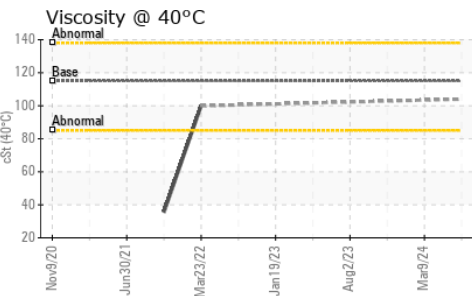
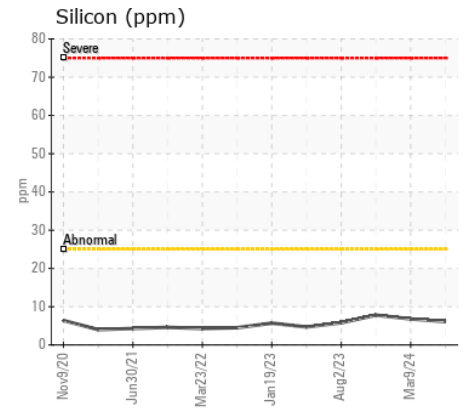
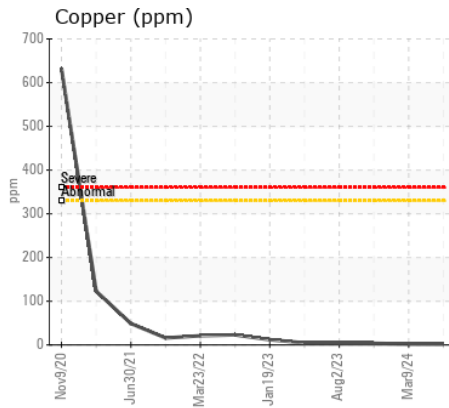
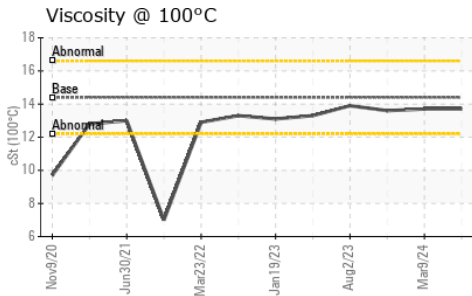
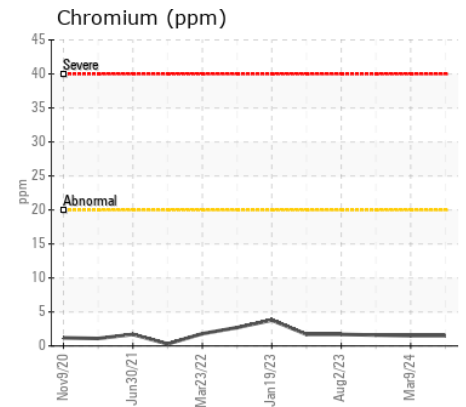
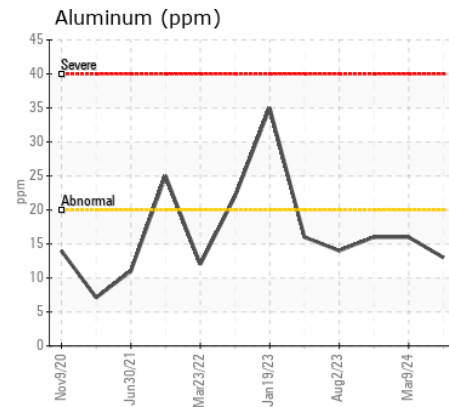
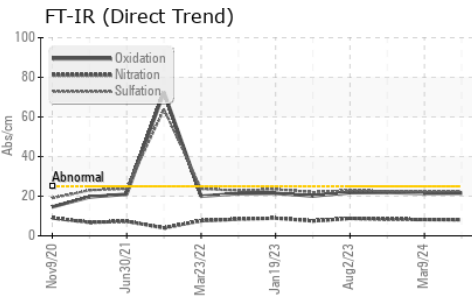
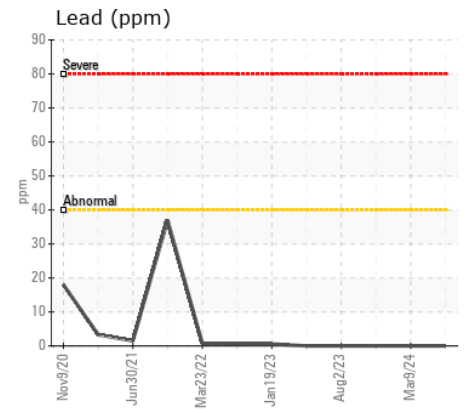
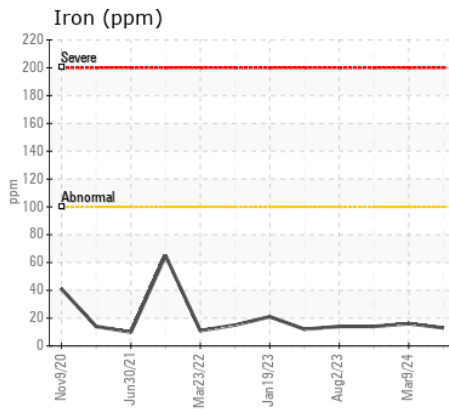
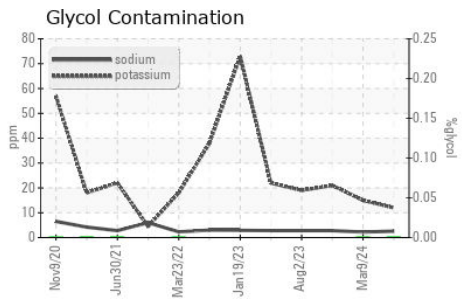
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0941305	WC0895457	WC0876521
Sample Date		Client Info		13 Jun 2024	09 Mar 2024	30 Nov 2023
Machine Age	kms	Client Info		120558	112187	104093
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>100	13	16	14
Chromium	ppm	ASTM D5185(m)	>20	2	2	2
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	13	16	16
Lead	ppm	ASTM D5185(m)	>40	0	0	0
Copper	ppm	ASTM D5185(m)	>330	2	2	4
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicon	ppm	ASTM D5185(m)	>25	6	7	8
Potassium	ppm	ASTM D5185(m)	>20	12	15	21
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	0.0	NEG
Soot %	%	ASTM D7844*	>3	0.2	0.2	0.3
Nitration	Abs/cm	ASTM D7624*	>20	8.1	8.2	8.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.6	22.3	22.5
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>158	3	2	3
Boron	ppm	ASTM D5185(m)	250	31	35	29
Barium	ppm	ASTM D5185(m)	10	0	0	0
Molybdenum	ppm	ASTM D5185(m)	100	39	40	40
Manganese	ppm	ASTM D5185(m)		<1	0	0
Magnesium	ppm	ASTM D5185(m)	450	497	511	500
Calcium	ppm	ASTM D5185(m)	3000	1708	1732	1677
Phosphorus	ppm	ASTM D5185(m)	1150	744	762	720
Zinc	ppm	ASTM D5185(m)	1350	885	871	866
Sulfur	ppm	ASTM D5185(m)	4250	2101	2244	2006
Oxidation	Abs/.1mm	ASTM D7414*	>25	21.5	21.4	21.9
Visc @ 40°C	cSt	ASTM D7279(m)	115	104	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.7	13.7	13.6
Viscosity Index (VI)	Scale	ASTM D2270*	126	131	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0941305 **Received** : 18 Jun 2024
Lab Number : 02642493 **Tested** : 18 Jun 2024
Unique Number : 5800032 **Diagnosed** : 18 Jun 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: Glycol, KV40, VI, Visual)

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.

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