MOB I

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
1807
Component
Rear 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.

WEAR

All component wear rates are normal.

CONTAMINATION

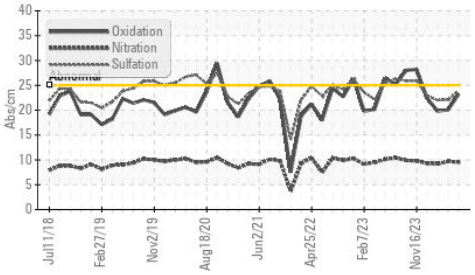
There is no indication of any contamination in the oil.

FLUID CONDITION

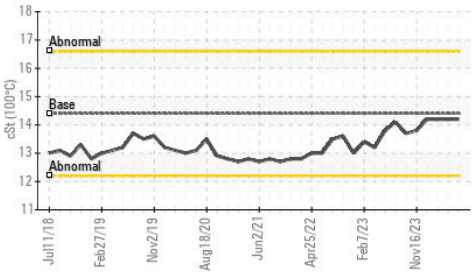
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0932493	WC0925706	WC0883008
Sample Date		Client Info		15 May 2024	28 Mar 2024	06 Feb 2024
Machine Age	hrs	Client Info		25492	24989	24408
Oil Age	hrs	Client Info		503	581	521
Filter Age	hrs	Client Info		503	0	521
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>100	12	15	11
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	2	2	2
Lead	ppm	ASTM D5185(m)	>40	0	0	0
Copper	ppm	ASTM D5185(m)	>330	3	3	2
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicon	ppm	ASTM D5185(m)	>25	2	3	3
Potassium	ppm	ASTM D5185(m)	>20	0	0	<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	0.4	0.5	0.4
Nitration	Abs/cm	ASTM D7624*	>20	9.5	9.7	9.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.8	22.1	22.0
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>158	1	1	<1
Boron	ppm	ASTM D5185(m)	250	2	2	<1
Barium	ppm	ASTM D5185(m)	10	0	0	0
Molybdenum	ppm	ASTM D5185(m)	100	60	60	58
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	450	988	993	968
Calcium	ppm	ASTM D5185(m)	3000	1063	1064	1062
Phosphorus	ppm	ASTM D5185(m)	1150	1031	1001	1010
Zinc	ppm	ASTM D5185(m)	1350	1226	1214	1203
Sulfur	ppm	ASTM D5185(m)	4250	2517	2463	2671
Oxidation	Abs/.1mm	ASTM D7414*	>25	23.2	20.1	19.8
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	14.2	14.2	14.2

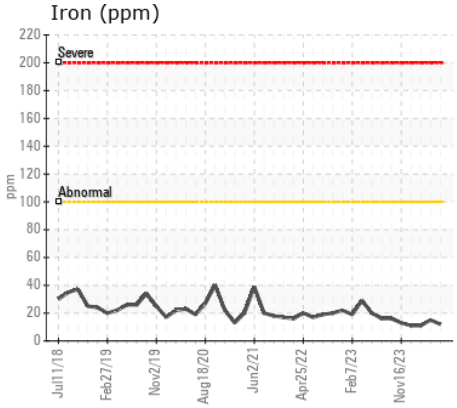
FT-IR (Direct Trend)



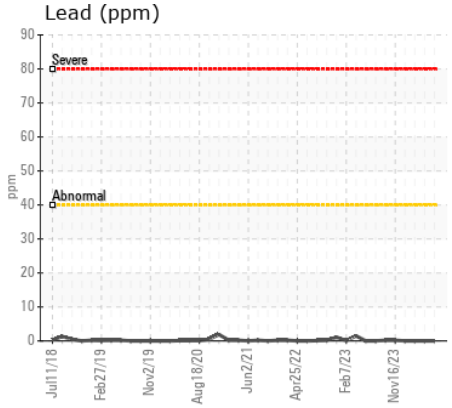
Viscosity @ 100°C



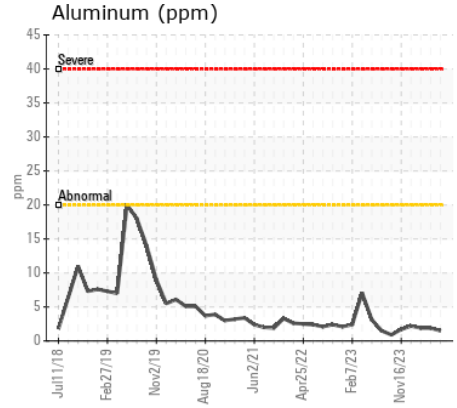
Iron (ppm)



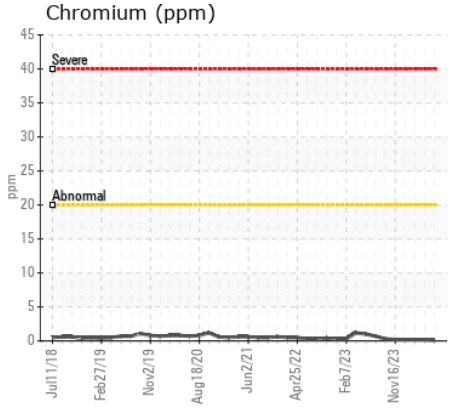
Lead (ppm)



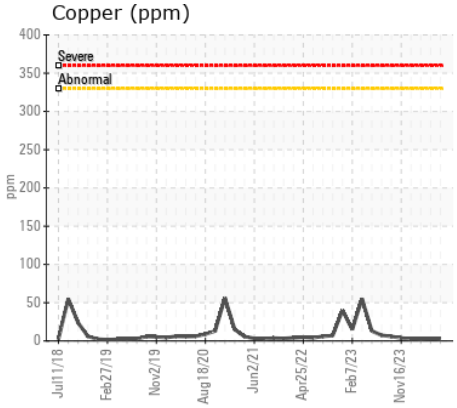
Aluminum (ppm)



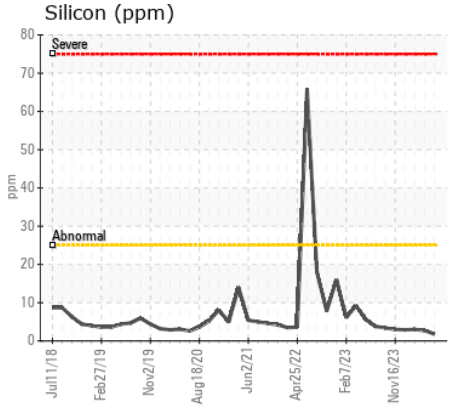
Chromium (ppm)



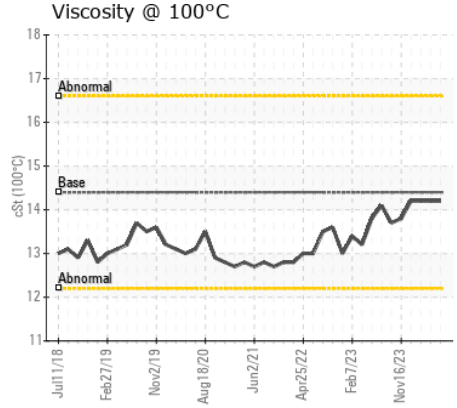
Copper (ppm)



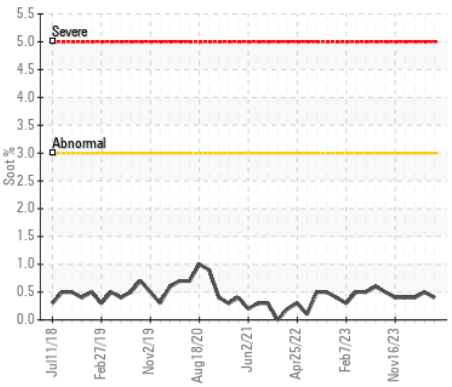
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0932493
Lab Number : 02637633
Unique Number : 5786795
Test Package : MOB 1

Received : 27 May 2024
Tested : 27 May 2024
Diagnosed : 27 May 2024 - Wes Davis

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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