MOB I WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
7531
Component
Diesel Engine
Fluid
SAE 15W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

Metal levels are typical for a new component breaking in.

CONTAMINATION

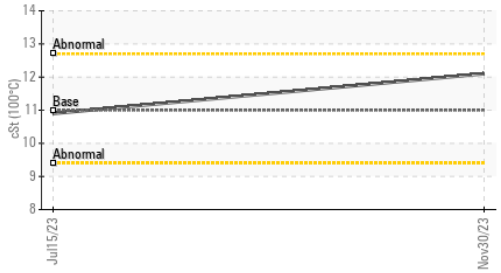
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

FLUID CONDITION

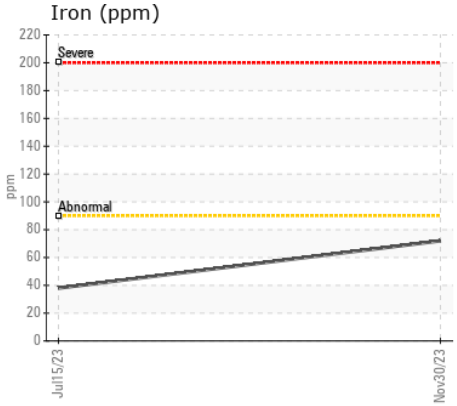
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0853263**	WC0796425	---
Sample Date		Client Info		**30 Nov 2023**	15 Jul 2023	---
Machine Age	kms	Client Info		**72273**	30084	---
Oil Age	kms	Client Info		**0**	0	---
Filter Age	kms	Client Info		**0**	0	---
Oil Changed		Client Info		**Changed**	Changed	---
Filter Changed		Client Info		**Changed**	Changed	---
Sample Status				**NORMAL**	NORMAL	---
Iron	ppm	ASTM D5185(m)	>90	**72**	38	---
Chromium	ppm	ASTM D5185(m)	>20	**2**	3	---
Nickel	ppm	ASTM D5185(m)	>2	**<1**	<1	---
Titanium	ppm	ASTM D5185(m)	>2	**0**	0	---
Silver	ppm	ASTM D5185(m)	>2	**0**	0	---
Aluminum	ppm	ASTM D5185(m)	>20	**9**	28	---
Lead	ppm	ASTM D5185(m)	>40	**8**	0	---
Copper	ppm	ASTM D5185(m)	>330	**20**	2	---
Tin	ppm	ASTM D5185(m)	>15	**<1**	0	---
Vanadium	ppm	ASTM D5185(m)		**0**	0	---
Silicon	ppm	ASTM D5185(m)	>25	**8**	7	---
Potassium	ppm	ASTM D5185(m)	>20	**32**	55	---
Fuel		WC Method	>3.0	**<1.0**	<1.0	---
Water		WC Method	>0.2	**NEG**	NEG	---
Glycol		WC Method		**NEG**	NEG	---
Soot %	%	ASTM D7844*	>6	**2.4**	0.2	---
Nitration	Abs/cm	ASTM D7624*	>20	**12.3**	11.1	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	**28.5**	24.1	---
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	---
Sodium	ppm	ASTM D5185(m)		**5**	3	---
Boron	ppm	ASTM D5185(m)		**14**	31	---
Barium	ppm	ASTM D5185(m)		**0**	0	---
Molybdenum	ppm	ASTM D5185(m)		**3**	2	---
Manganese	ppm	ASTM D5185(m)		**1**	<1	---
Magnesium	ppm	ASTM D5185(m)		**733**	708	---
Calcium	ppm	ASTM D5185(m)		**1414**	1312	---
Phosphorus	ppm	ASTM D5185(m)		**700**	706	---
Zinc	ppm	ASTM D5185(m)		**792**	762	---
Sulfur	ppm	ASTM D5185(m)		**2679**	2428	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	**19.2**	22.0	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.0	**12.1**	10.9	---

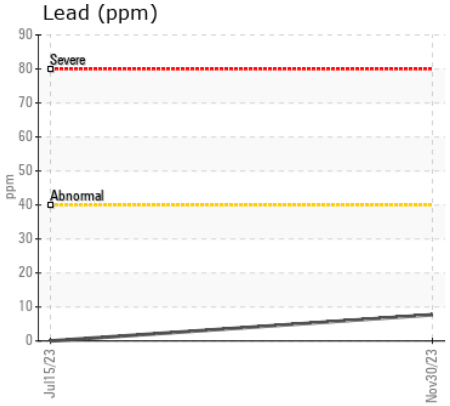
Viscosity @ 100°C



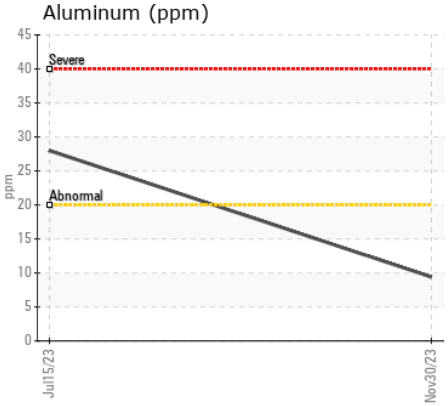
Iron (ppm)



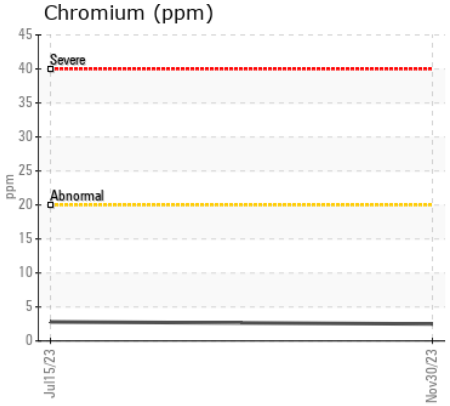
Lead (ppm)



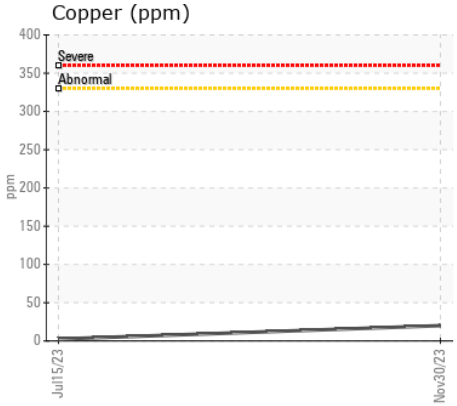
Aluminum (ppm)



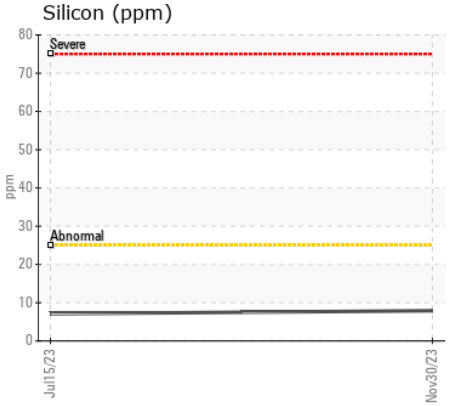
Chromium (ppm)



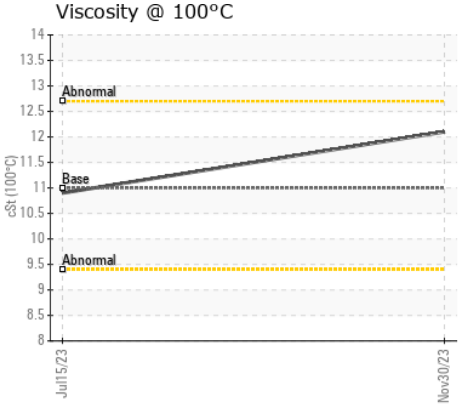
Copper (ppm)



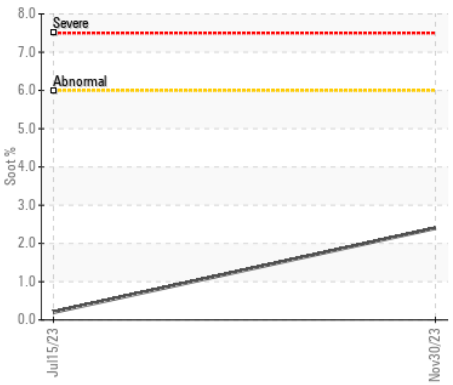
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: WC0853263	**Recieved**	: 19 Jan 2024
Lab Number	: 02609834	**Diagnosed**	: 19 Jan 2024
Unique Number	: 5710920	**Diagnostician**	: Wes Davis
Test Package	: MOB 1		

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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