MOB II WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
GMC DURAMAX
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm. Please specify the component make and model with your next sample.

WEAR

Metal levels are typical for a components first oil change.

CONTAMINATION

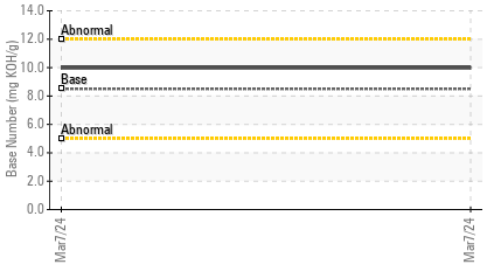
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

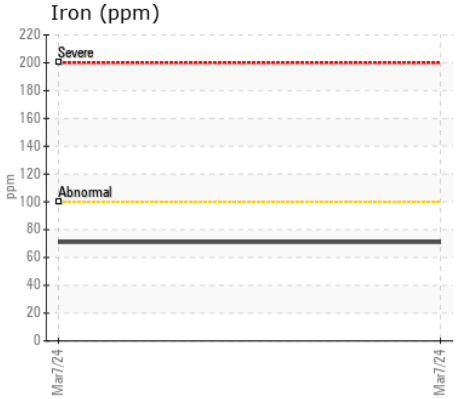
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0766406	---	---
Sample Date		Client Info		07 Mar 2024	---	---
Machine Age	kms	Client Info		10430	---	---
Oil Age	kms	Client Info		10430	---	---
Filter Age	kms	Client Info		10430	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---
Iron	ppm	ASTM D5185(m)	>100	71	---	---
Chromium	ppm	ASTM D5185(m)	>20	2	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	1	---	---
Aluminum	ppm	ASTM D5185(m)	>20	13	---	---
Lead	ppm	ASTM D5185(m)	>40	22	---	---
Copper	ppm	ASTM D5185(m)	>330	369	---	---
Tin	ppm	ASTM D5185(m)	>15	12	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Silicon	ppm	ASTM D5185(m)	>25	96	---	---
Potassium	ppm	ASTM D5185(m)	>20	43	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	1.4	---	---
Nitration	Abs/cm	ASTM D7624*	>20	12.0	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.7	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185(m)	>216	6	---	---
Boron	ppm	ASTM D5185(m)	250	57	---	---
Barium	ppm	ASTM D5185(m)	10	<1	---	---
Molybdenum	ppm	ASTM D5185(m)	100	1	---	---
Manganese	ppm	ASTM D5185(m)		1	---	---
Magnesium	ppm	ASTM D5185(m)	450	668	---	---
Calcium	ppm	ASTM D5185(m)	3000	1249	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	980	---	---
Zinc	ppm	ASTM D5185(m)	1350	1083	---	---
Sulfur	ppm	ASTM D5185(m)	4250	3060	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.4	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	9.98	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.6	---	---

Base Number

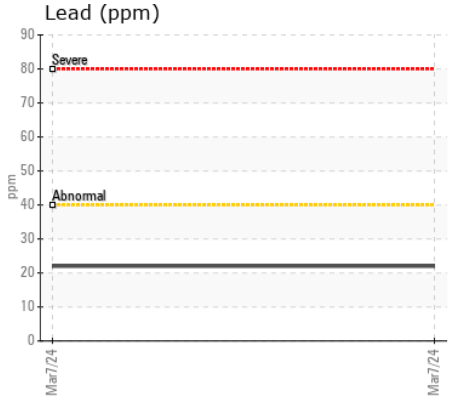


Viscosity @ 100°C

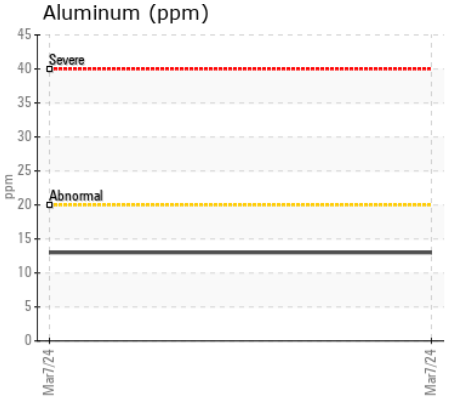
Iron (ppm)



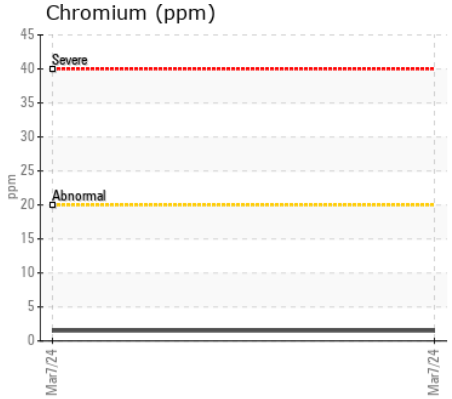
Lead (ppm)



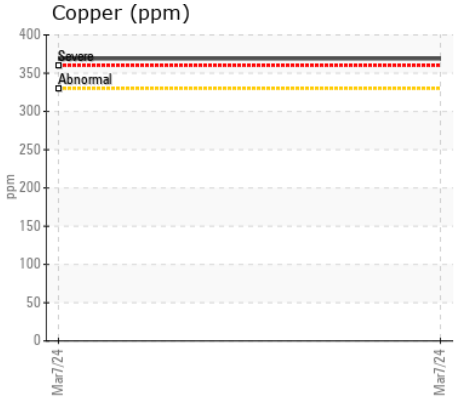
Aluminum (ppm)



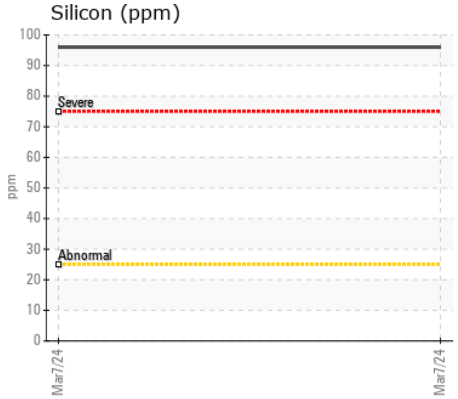
Chromium (ppm)



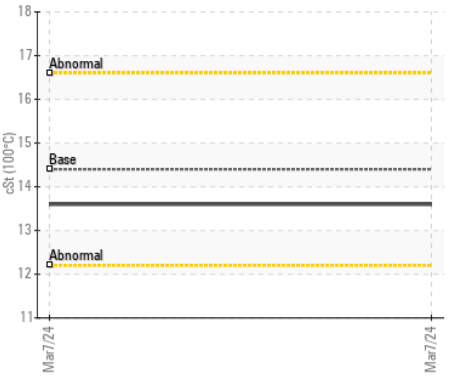
Copper (ppm)



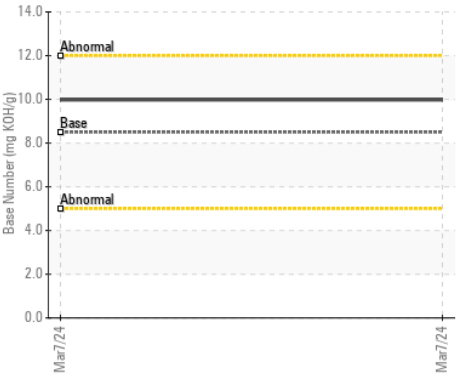
Silicon (ppm)



Viscosity @ 100°C



Base Number



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0766406
Lab Number : 02620727
Unique Number : 5737837
Test Package : MOB 2

Received : 08 Mar 2024
Tested : 11 Mar 2024
Diagnosed : 11 Mar 2024 - Kevin Marson

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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