MOB II WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
GMC 2017 GMC YUKON
Component
Gasoline Engine
Fluid
VALVOLINE SYNTHETIC MAXLIFE 0W20 (8 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

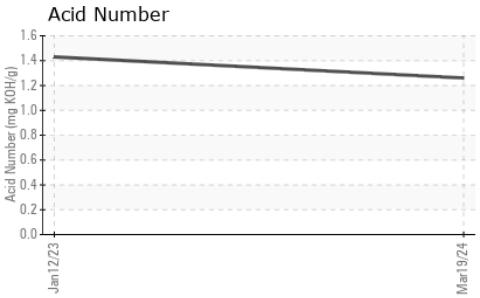
CONTAMINATION

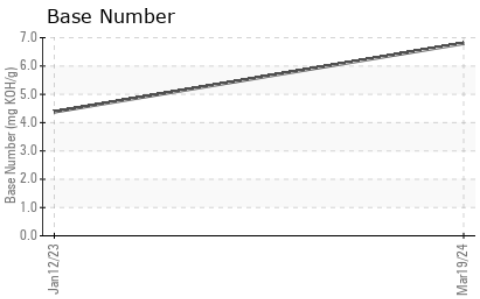
There is no indication of any contamination in the oil.

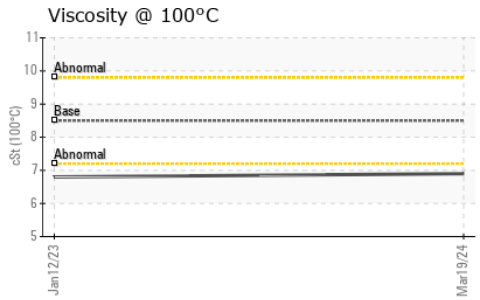
FLUID CONDITION

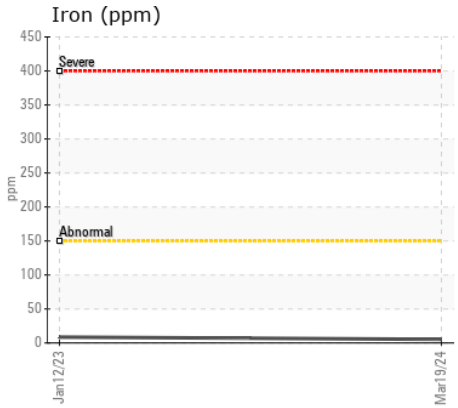
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

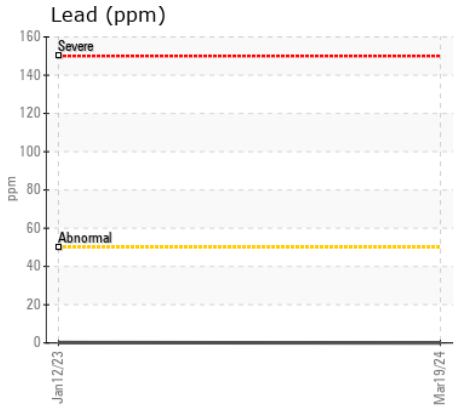
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC06123880	WC05739032	---
Sample Date		Client Info		19 Mar 2024	12 Jan 2023	---
Machine Age	mls	Client Info		86500	75857	---
Oil Age	mls	Client Info		2100	5395	---
Filter Age	mls	Client Info		2100	5395	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	NORMAL	---
Iron	ppm	ASTM D5185m	>150	5	9	---
Chromium	ppm	ASTM D5185m	>20	0	<1	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>40	1	2	---
Lead	ppm	ASTM D5185m	>50	0	<1	---
Copper	ppm	ASTM D5185m	>155	14	20	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>30	16	14	---
Potassium	ppm	ASTM D5185m	>20	0	0	---
Fuel	%	ASTM D3524	>4.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844		0.1	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	8.6	10.6	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.7	21.0	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185m	>400	<1	3	---
Boron	ppm	ASTM D5185m		64	17	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		236	96	---
Manganese	ppm	ASTM D5185m		2	2	---
Magnesium	ppm	ASTM D5185m		475	374	---
Calcium	ppm	ASTM D5185m		1291	1101	---
Phosphorus	ppm	ASTM D5185m	800	676	602	---
Zinc	ppm	ASTM D5185m	940	815	644	---
Sulfur	ppm	ASTM D5185m		2510	2268	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	10.7	12.9	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.26	1.43	---
Base Number (BN)	mg KOH/g	ASTM D2896		6.80	4.38	---
Visc @ 100°C	cSt	ASTM D445	8.5	6.9	6.8	---

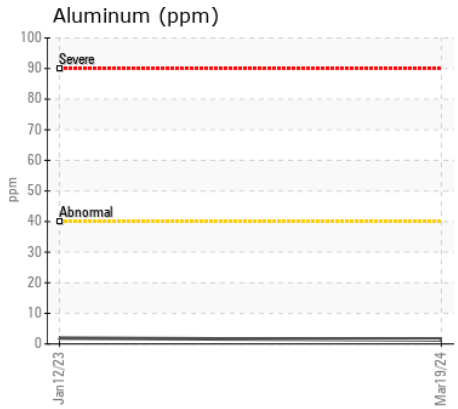


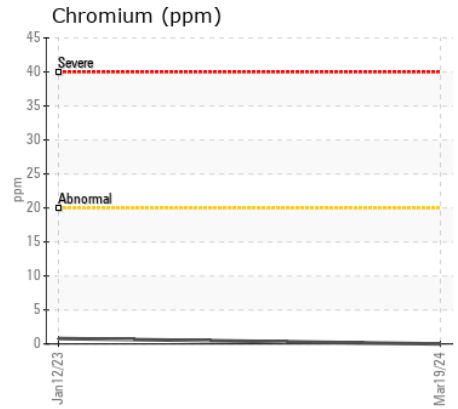


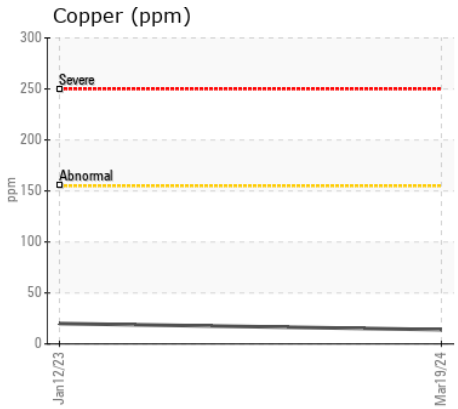


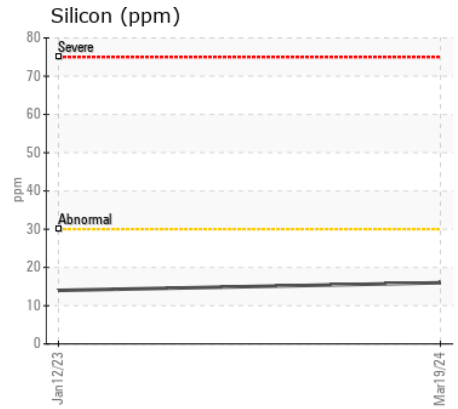


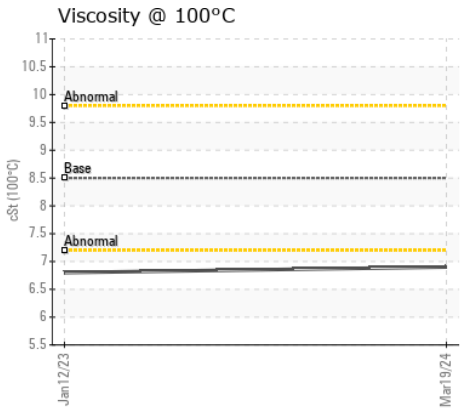


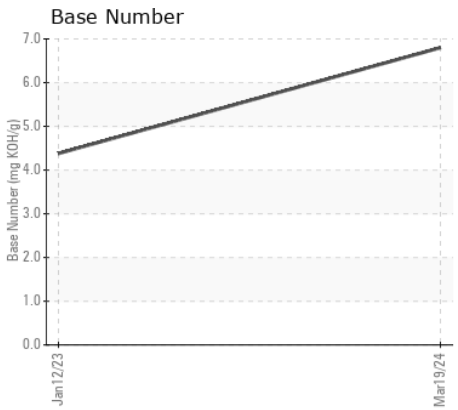












Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC06123880 **Received** : 20 Mar 2024
Lab Number : 06123880 **Tested** : 21 Mar 2024
Unique Number : 10938031 **Diagnosed** : 21 Mar 2024 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel, TBN)

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - Denotes test methods that are outside of the ISO 17025 scope of accreditation.*
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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