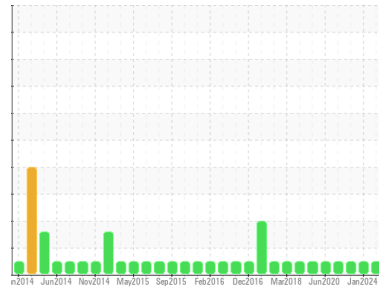




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
2007 GMC M-3
 Component
Gasoline Engine
 Fluid
GASOLINE ENGINE OIL SAE 5W30 (6 GAL)

DIAGNOSIS

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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0871805	WC0871816	WC0819764
Sample Date	Client Info			01 Apr 2024	04 Jan 2024	28 Sep 2023
Machine Age	mls	Client Info		20150	15087	9672
Oil Age	mls	Client Info		5063	5300	5000
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>4.0		<1.0	<1.0	<1.0
Water	WC Method	>0.2		NEG	NEG	NEG
Glycol	WC Method			NEG	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	12	12	14
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>40	3	4	4
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>155	2	5	11
Tin	ppm	ASTM D5185m	>10	1	0	1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	75	32	22	24
Barium	ppm	ASTM D5185m	5	<1	6	0
Molybdenum	ppm	ASTM D5185m	100	263	283	251
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	12	443	456	444
Calcium	ppm	ASTM D5185m	2100	1310	1239	1287
Phosphorus	ppm	ASTM D5185m	650	576	608	668
Zinc	ppm	ASTM D5185m	850	716	764	772
Sulfur	ppm	ASTM D5185m	2500	2080	1858	2342

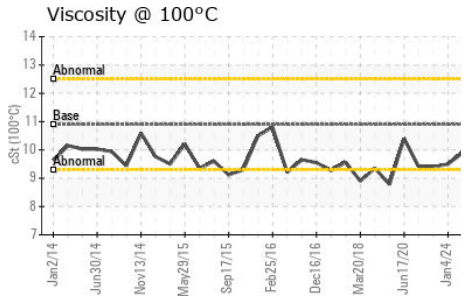
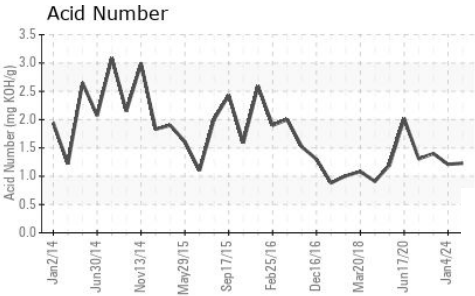
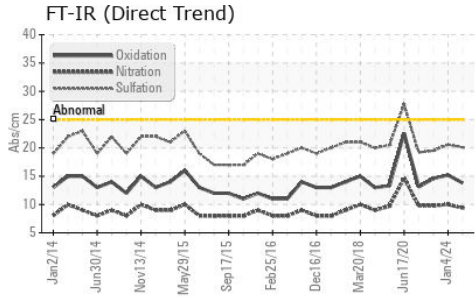
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	20	23	31
Sodium	ppm	ASTM D5185m	>400	1	0	3
Potassium	ppm	ASTM D5185m	>20	<1	2	4

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	9.4	10.0	9.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.1	20.6	19.5

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.8	15.2	14.6
Acid Number (AN)	mg KOH/g	ASTM D8045		1.23	1.21	1.40



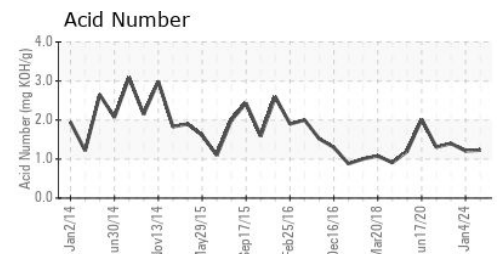
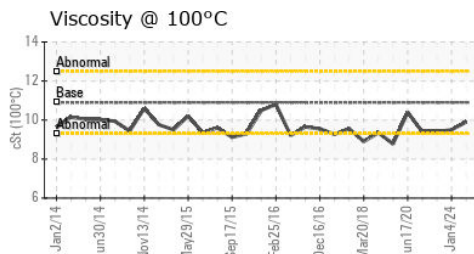
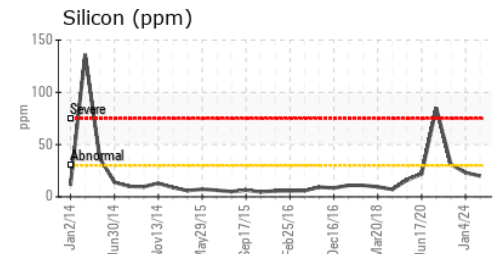
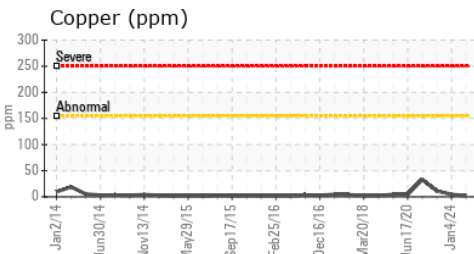
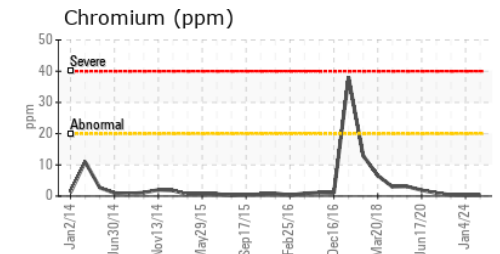
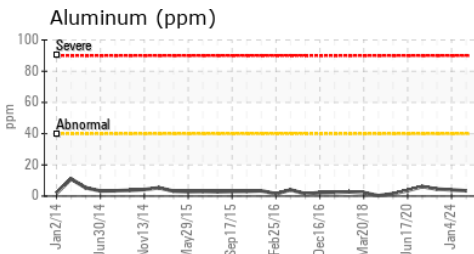
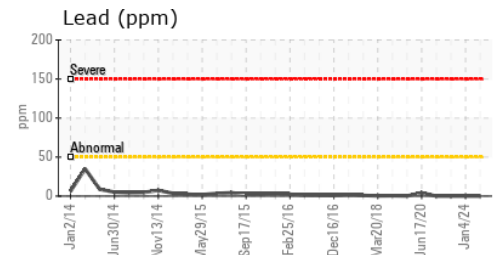
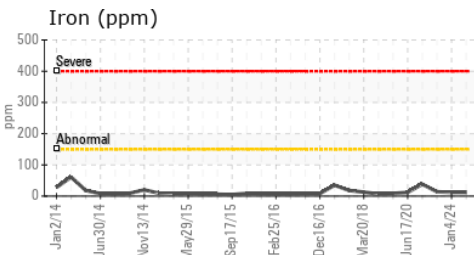
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
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
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	10.9	9.9	9.5	9.4

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0871805 **Received** : 15 Apr 2024
Lab Number : 06149578 **Tested** : 16 Apr 2024
Unique Number : 10979656 **Diagnosed** : 16 Apr 2024 - Wes Davis
Test Package : MOB 2

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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)