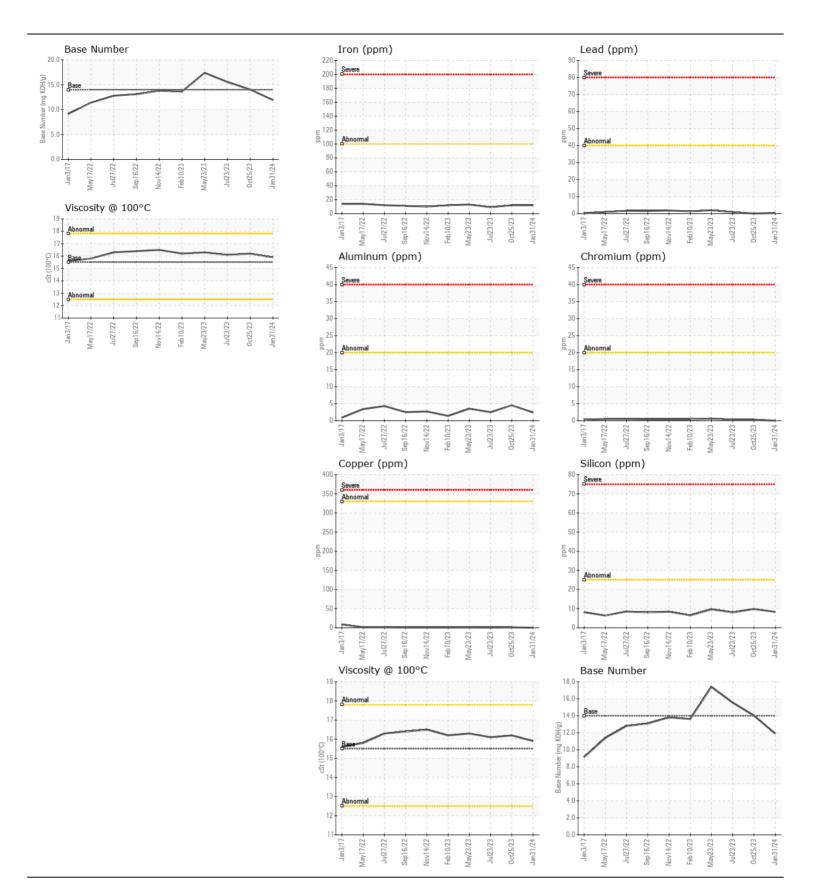
WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

OIL ANALYSIS REPORT

Machine Id GMC SIERRA 2500 4203

Component Diesel Engine

DECOMMENDATION.					(_)		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06086203	TR05993800	TR0591204
	Sample Date	mla	Client Info		31 Jan 2024	25 Oct 2023	23 Jul 2023
	Machine Age Oil Age	mls	Client Info		188690 5000	183426 5000	178121 5000
	Filter Age	mls mls	Client Info		5000	5000	5000
	Oil Changed	11115	Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	_
	Sample Status		Client into		NORMAL	NORMAL	Changed NORMAL
VEAR	Iron	ppm	ASTM D5185m	>100	12	12	9
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	0	<1	<1
	Nickel	ppm	ASTM D5185m	>4	0	<1	<1
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>20	2	4	2
	Lead	ppm	ASTM D5185m	>40	<1	0	<1
	Copper	ppm	ASTM D5185m		0	1	<1
	Tin	ppm	ASTM D5185m	>15	0	1	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	8	10	8
	Potassium	ppm	ASTM D5185m		<1	4	3
There is no indication of any contamination in the oil.	Fuel	pp	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.6	0.1	0.6
	Nitration	Abs/cm	*ASTM D7624	>20	11.9	6.5	10.6
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.5	18.9	20.3
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m		2	3	3
ECID CONDITION	Boron	ppm	ASTM D5185m		0	<1	3
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	20	0
	Molybdenum	ppm	ASTM D5185m		137	143	120
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		21	16	14
	Calcium	ppm	ASTM D5185m	1300	4529	4281	4251
	Phosphorus	ppm	ASTM D5185m		967	929	890
	Zinc	ppm	ASTM D5185m	1300	1187	1040	1050
	Sulfur	ppm	ASTM D5185m	.000	4591	5592	5122
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0	12.1	12.4
	Base Number (BN)		ASTM D2896		11.91	14.02	15.55
			. 10 1111 D = 000			11.02	10.00





Certificate L2367

Laboratory Sample No.

: TR06086203 Lab Number : 06086203 Unique Number: 10873648 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 12 Feb 2024 Received

: 13 Feb 2024 **Tested** Diagnosed

: 13 Feb 2024 - Wes Davis

MITCHELL EXCAVATING - BODI MITCHELL

200 SOUTH 1455 WEST

LINDON, UT US 84042

Contact: JOHN AAGARD

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (801)796-3698

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: