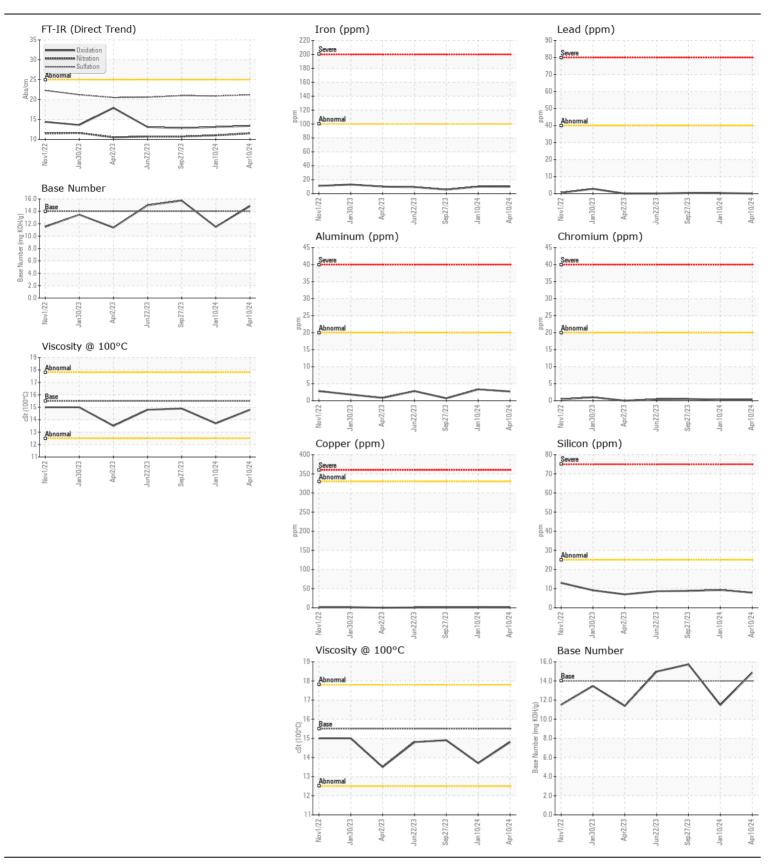
OIL ANALYSIS REPORT

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

Machine Id

GMC SIERRA 3500 6066 Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06148929	TR06067892	TR0597321
	Sample Date		Client Info		10 Apr 2024	10 Jan 2024	27 Sep 202
	Machine Age	mls	Client Info		133894	129075	124917
	Oil Age	mls	Client Info		5000	5000	5000
	Filter Age	mls	Client Info		5000	5000	5000
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	10	10	6
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>4	0	0	<1
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	3	3	<1
	Lead	ppm	ASTM D5185m	>40	0	<1	<1
	Copper	ppm	ASTM D5185m	>330	<1	1	1
	Tin	ppm	ASTM D5185m	>15	0	1	<1
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	8	9	9
	Potassium	ppm	ASTM D5185m		<1	1	5
There is no indication of any contamination in the oil.	Fuel	1-1-	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	0.5	0.6
	Nitration	Abs/cm	*ASTM D7624	>20	11.5	11.0	10.7
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2	20.9	21.0
	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
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	3	0
	Boron	ppm	ASTM D5185m		0	4	2
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	0	0
	Molybdenum	ppm	ASTM D5185m		130	129	134
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		16	31	27
	Calcium	ppm	ASTM D5185m	1300	4286	3867	4051
	Phosphorus	ppm	ASTM D5185m		856	857	877
	Zinc	ppm	ASTM D5185m	1300	1005	966	1057
	Sulfur	ppm	ASTM D5185m		4622	3972	4407
	Oxidation	Abs/.1mm	*ASTM D7414	>25	13.4	13.1	12.8
	Base Number (BN)		ASTM D2896		14.85	11.48	15.73
		09					14.9





Certificate L2367

Laboratory Sample No.

: TR06148929 Lab Number : 06148929 Unique Number : 10979007 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Apr 2024 **Tested**

: 16 Apr 2024 : 16 Apr 2024 - Wes Davis Diagnosed

MITCHELL EXCAVATING - BODI MITCHELL 200 SOUTH 1455 WEST

LINDON, UT

US 84042 Contact: JOHN AAGARD

T: (801)796-3698

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

F: