OIL ANALYSIS REPORT

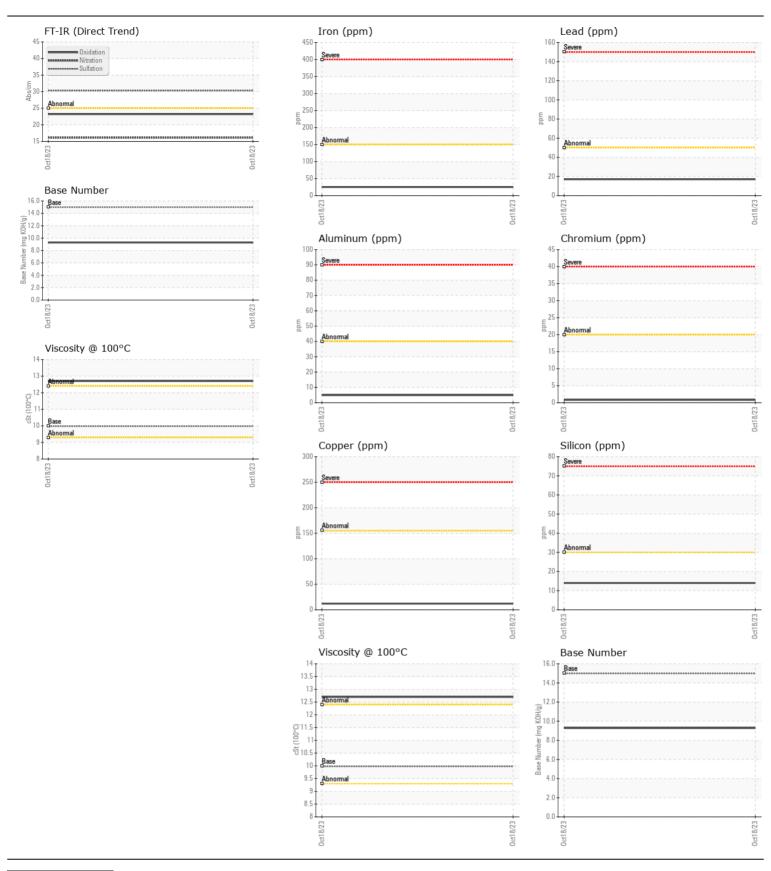
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id

GMC GMC SIERRA 1500 Component Gasoline Engine Fluid

TRC PRO-SPEC MULTI VISC 5W30 (6 QTS)					.,		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06013513		
	Sample Date		Client Info		18 Oct 2023		
	Machine Age	mls	Client Info		250000		
	Oil Age	mls	Client Info		7300		
	Filter Age	mls	Client Info		7300		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAD.	I		AOTM DE405	450			
WEAR	Iron	ppm	ASTM D5185m		25		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m	>5	<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		5		
	Lead	ppm	ASTM D5185m		17		
	Copper	ppm	ASTM D5185m		12		
	Tin	ppm	ASTM D5185m	>10	1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>30	14		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	2		
	Fuel		WC Method	>4.0	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844		0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	16.1		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	30.3		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>400	3		
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		15		
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		112		
	Manganese	ppm	ASTM D5185m		1		
	Magnesium	ppm	ASTM D5185m		192		
	Calcium	ppm	ASTM D5185m		3256		
	Phosphorus	ppm	ASTM D5185m		871		
	Zinc	ppm	ASTM D5185m	800	1102		
	Sulfur	ppm	ASTM D5185m		3977		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	23.2		
	Base Number (BN)	mg KOH/g	ASTM D2896	15	9.28		
	Visc @ 100°C	cSt	ASTM D445	9 98	12.7		







Certificate L2367

Laboratory Sample No.

: TR06013513 Lab Number : 06013513 Unique Number : 10752657 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Nov 2023 **Tested** : 22 Nov 2023

Diagnosed

: 22 Nov 2023 - Sean Felton

TERRYL KOEHN RONAN, MT

US 59864 Contact: JARED SCHMIDT

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)

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