WEAR CONTAMINATION **FLUID CONDITION**

NORMAL ABNORMAL ABNORMAL

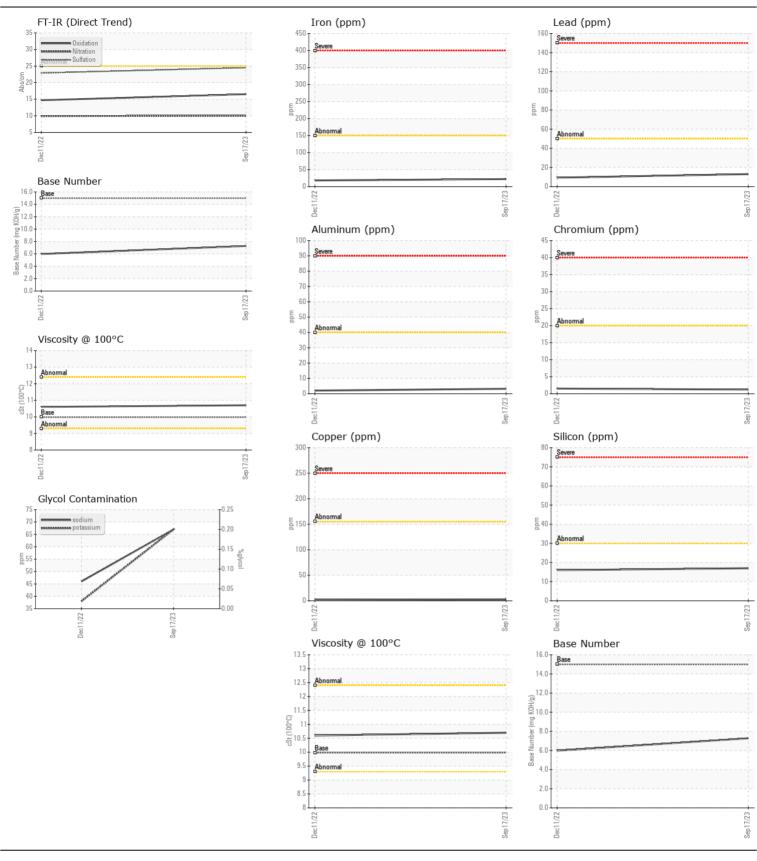
OIL ANALYSIS REPORT

Machine Id

GMC K1500

Gasoline Engine

TRC PRO-SPEC MULTI VISC 5W30 (6 QTS)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		TR05958242	TR05717570	
We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend an early resample to monitor this condition.	Sample Date		Client Info		17 Sep 2023	11 Dec 2022	
	Machine Age	mls	Client Info		100005	98137	
	Oil Age	mls	Client Info		5993	4255	
	Filter Age	mls	Client Info		5993	4255	
	Oil Changed		Client Info		Not Changd	Not Changd	
	Filter Changed		Client Info		Not Changd	Not Changd	
	Sample Status				ABNORMAL	NORMAL	
VEAR							
VEAR	Iron	ppm	ASTM D5185m		22	18	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		1	2	
	Nickel	ppm	ASTM D5185m	>5	1	<1	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m		3	2	
	Lead	ppm	ASTM D5185m		13	9	
	Copper	ppm	ASTM D5185m		3	2	
	Tin	ppm	ASTM D5185m	>10	4	4	
	Vanadium	ppm	ASTM D5185m		0	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>30	17	16	
Sodium and/or potassium levels are high.	Potassium	ppm	ASTM D5185m	>20	△ 67	38	
	Fuel		WC Method	>4.0	<1.0	<1.0	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol	%	*ASTM D2982		NEG	NEG	
	Soot %	%	*ASTM D7844		0	0.1	
	Nitration	Abs/cm	*ASTM D7624	>20	10.0	9.9	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	24.5	22.9	
	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	
THE CONDITION							
LUID CONDITION	Sodium	ppm	ASTM D5185m	>400	<u>▲</u> 67	46	
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		33	18	
oil.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		273	263	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m		501	499	
	Calcium	ppm	ASTM D5185m		1510	1534	
	Phosphorus	ppm	ASTM D5185m		713	732	
	Zinc	ppm	ASTM D5185m	800	933	941	
	Sulfur	ppm	ASTM D5185m		2654	2489	
	Oxidation	Abs/.1mm	*ASTM D7414		16.5	14.7	
	Base Number (BN)	mg KOH/g			7.27	5.98	
	Visc @ 100°C	cSt	ASTM D445	9.98	10.7	10.6	





Laboratory Sample No. Unique Number : 10659455

Lab Number : 05958242

: TR05958242

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

Diagnosed

: 25 Sep 2023 : 25 Sep 2023 - Jonathan Hester

: 21 Sep 2023

TORQUE KING 4X4 - JESSE GUARINO

7095 COMMERCIAL AVE BILLINGS, MT US 59101

Contact: MARK OPHEIM

Test Package : MOB 2 (Additional Tests: Glycol) 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)

T: F: