OIL ANALYSIS REPORT

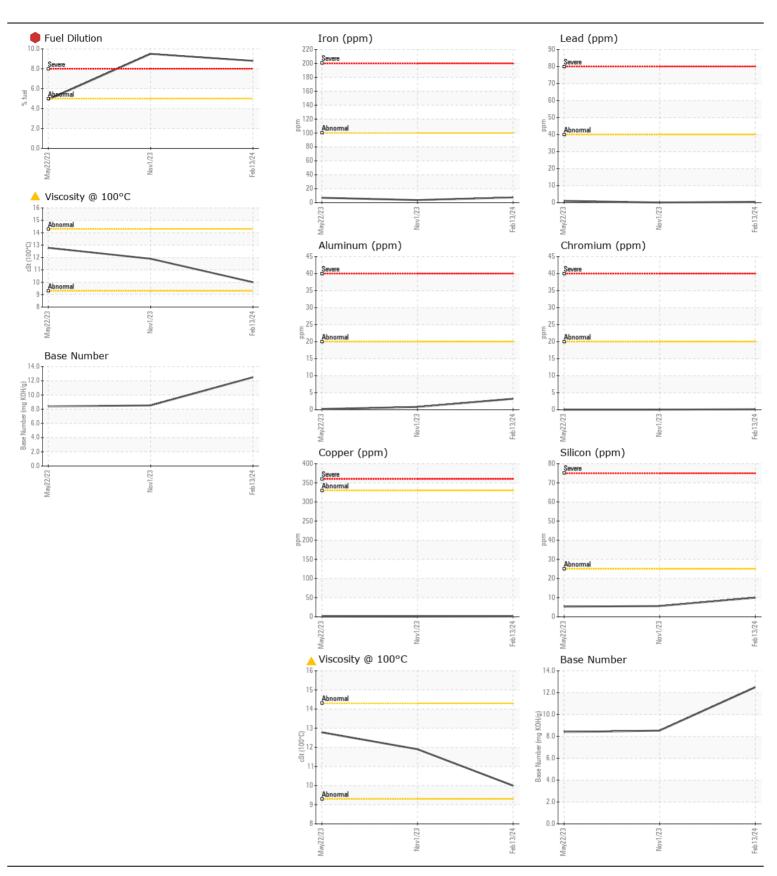
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL SEVERE ABNORMAL

CHEVROLET 3500HD T3 (S/N 1GCHK84609F139100)

Component Diesel Engine

TRC PRO-SPEC IV XP SYN BLEND SAE 10W30	(10 QTS)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.	Sample Number	OOW	Client Info	Limitorion	TR06098659	-	TR05882857
	Sample Date		Client Info		13 Feb 2024	01 Nov 2023	22 May 2023
	Machine Age	mls	Client Info		58001	56846	55091
	Oil Age	mls	Client Info		1155	1755	4139
	Filter Age	mls	Client Info		1155	1755	4139
	Oil Changed		Client Info		Not Changd	Changed	Changed
	Filter Changed		Client Info		Not Changd	Changed	Changed
	Sample Status				SEVERE	SEVERE	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	7	4	7
Metal levels are typical for a new component breaking in.	Chromium	ppm	ASTM D5185m	>20	<1	0	0
	Nickel	ppm	ASTM D5185m	>4	<1	0	<1
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	3	<1	<1
	Lead	ppm	ASTM D5185m	>40	<1	0	1
	Copper	ppm	ASTM D5185m	>330	1	<1	<1
	Tin	ppm	ASTM D5185m	>15	<1	0	<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	10	6	5
	Potassium	ppm	ASTM D5185m	>20	3	0	1
There is a high amount of fuel present in the oil.	Fuel	%	ASTM D3524	>5	● 8.8	9.5	4.9
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.4	0.5	0.4
	Nitration	Abs/cm	*ASTM D7624	>20	9.9	8.9	7.9
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.2	19.2	20.1
	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	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	2	0
Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185m		<1	<1	0
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		8	52	57
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		145	848	835
	Calcium	ppm	ASTM D5185m		2970	922	1055
	Phosphorus	ppm	ASTM D5185m		727	931	969
	Zinc	ppm	ASTM D5185m		867	1095	1122
	Sulfur	ppm	ASTM D5185m		3003	2689	2773
	Oxidation	Abs/.1mm	*ASTM D7414	>25	12.6	16.4	17.7
	Base Number (BN)				12.49	8.53	8.4
	Visc @ 100°C	cSt	ASTM D445		10.0	<u> </u>	▲ 12.78







Laboratory Sample No. Lab Number : 06098659

: TR06098659

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

Received **Tested** Unique Number: 10896889

: 27 Feb 2024 Diagnosed

: 27 Feb 2024 - Sean Felton

: 23 Feb 2024

Contact: SCOTT BURRELL

5 AIRPARK RD, SUITE 1

WEST LEBANON, NH

LEBANON MUNICIPAL AIRPORT

Test Package : MOB 2 (Additional Tests: PercentFuel) Certificate L2367 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) US 03784

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