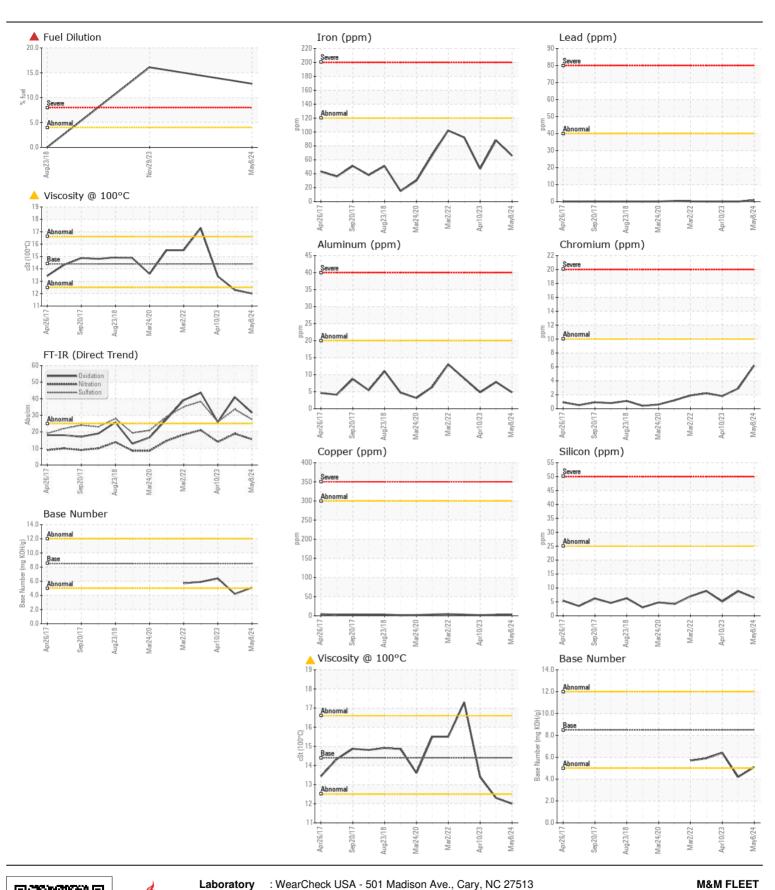
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL SEVERE ABNORMAL

Machine Id

DODGE M31503

Diesel Engine							
DIESEL ENGINE OIL SAE 15W40 (12 QTS)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check the fuel injection system. Oil and filter	Sample Number		Client Info		DC0034077	DC0032043	DC0026264
change at the time of sampling has been noted. We recommend an	Sample Date		Client Info		08 May 2024	29 Nov 2023	10 Apr 2023
early resample to monitor this condition.	Machine Age	mls	Client Info		202802	193345	178150
	Oil Age	mls	Client Info		11469	10753	9825
	Filter Age	mls	Client Info		11469	10753	9825
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				SEVERE	SEVERE	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>120	66	88	47
WEAIT	Chromium	ppm	ASTM D5185m		6	3	2
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	0
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m	>5	<1	0	0
	Aluminum	ppm	ASTM D5185m		5	8	5
	Lead	ppm	ASTM D5185m		<1	0	0
	Copper	ppm	ASTM D5185m	>300	2	3	2
	Tin	ppm	ASTM D5185m		<1	<1	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTANUNATION							_
CONTAMINATION	Silicon	ppm	ASTM D5185m		6	9	5
There is a high amount of fuel present in the oil.	Potassium	ppm	ASTM D5185m		3	6	10
	Fuel	%	ASTM D3524		▲ 12.8	▲ 16.1	<1.0
	Water		WC Method	>0.1	NEG	NEG	NEG
	Glycol	0/	WC Method *ASTM D7844		NEG	NEG 1.6	NEG
	Soot % Nitration	% Abs/cm		>20	0.9 15.5	1.6 18.9	0.9
	Sulfation	Abs/.1mm			27.5	33.6	26.0
	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	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water		*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		5	6	7
Fuel is present in the oil and is lowering the viscosity. The oil is no	Boron	ppm	ASTM D5185m		1	3	12
longer serviceable due to the presence of contaminants.	Barium	ppm	ASTM D5185m		0	<1	0
	Molybdenum	ppm	ASTM D5185m	100	53	60	66
	Manganese	ppm	ASTM D5185m		2	1	1
	Magnesium	ppm	ASTM D5185m		820	886	987
	Calcium	ppm	ASTM D5185m		1028	1010	1095
	Phosphorus	ppm	ASTM D5185m		943	978	1037
	Zinc	ppm		1350	1077	1180	1277
	Sulfur	ppm Aba/dama	ASTM D5185m		2686	2292	3352
	Oxidation	Abs/.1mm	*ASTM D7414		31.6	40.9	25.9
	Base Number (BN)	0 0	ASTM D2896		5.1	4.2	6.4
	Visc @ 100°C	cSt	ASTM D445	14.4	12.0	<u>12.3</u>	13.4





Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06194837

: DC0034077

Received **Tested** Unique Number: 11056960 Diagnosed Test Package : MOB 1 (Additional Tests: PercentFuel, TBN)

: 03 Jun 2024 : 03 Jun 2024 - Don Baldridge

: 29 May 2024

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

HYATTSVILLE, MD US 20781 Contact: June McClosky office@mmfleet.net T: (301)779-4545

5046 BUCHANAN ST.

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

F: x: