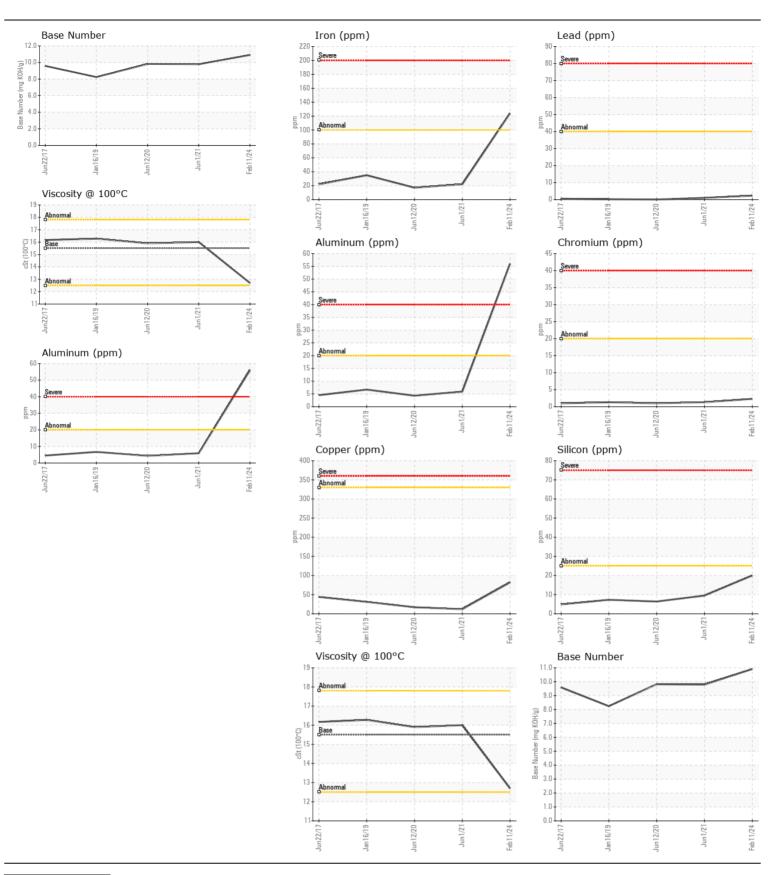
WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

OIL ANALYSIS REPORT

DODGE DODGE RAM HEMI

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		TR06104522	TR05268222	TR0501068
Resample at the next service interval to monitor.	Sample Date		Client Info		11 Feb 2024	01 Jun 2021	12 Jun 202
	Machine Age	mls	Client Info		17762	85950	75625
	Oil Age	mls	Client Info		12500	7900	8000
	Filter Age	mls	Client Info		12500	7900	8000
	Oil Changed		Client Info		Changed	Changed	N/A
	Filter Changed		Client Info		Changed	Changed	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>100	124	22	17
Metal levels are typical for a new component breaking in.	Chromium	ppm	ASTM D5185m	>20	2	1	1
	Nickel	ppm	ASTM D5185m		- <1	<1	<1
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m	>3	0	<1	0
	Aluminum	ppm	ASTM D5185m		56	6	4
	Lead	ppm	ASTM D5185m		2	1	0
	Copper	ppm	ASTM D5185m	>330	82	12	17
	Tin	ppm	ASTM D5185m	>15	2	<1	0
	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	20	10	6
	Potassium	ppm	ASTM D5185m	>20	158	4	10
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	1	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	12.8	16.7	13.6
	Sulfation	Abs/.1mm	*ASTM D7415	>30	23.5	34.2	31.9
	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
LUID CONDITION	Sodium	ppm	ASTM D5185m		6	6	5
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		5	4	<1
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		12	1	3
	Manganese	ppm	ASTM D5185m		2	<1	<1
	Magnesium	ppm	ASTM D5185m		263	21	14
	Calcium	ppm	ASTM D5185m		4446	4816	4625
	Phosphorus	ppm	ASTM D5185m		993	914	1124
	Zinc	ppm	ASTM D5185m		1330	1158	1296
	Sulfur	ppm	ASTM D5185m		3751	3780	4078
		Abs/.1mm	*ASTM D5185m *ASTM D7414 ASTM D2896	>25	3751 17.8 10.91	3780 24.5 9.79	4078 23.1 9.82





Certificate L2367

Laboratory Sample No.

Lab Number : 06104522 Unique Number : 10902752

: TR06104522 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 Feb 2024 : 01 Mar 2024 **Tested**

: 01 Mar 2024 - Wes Davis Diagnosed

JEFF HENRY 1211 N 1ST AVE CANYON, TX US 79015

Contact: MIKE LEWIS

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: