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

**NORMAL NORMAL NORMAL** 

Machine Id

## **DODGE M31717**

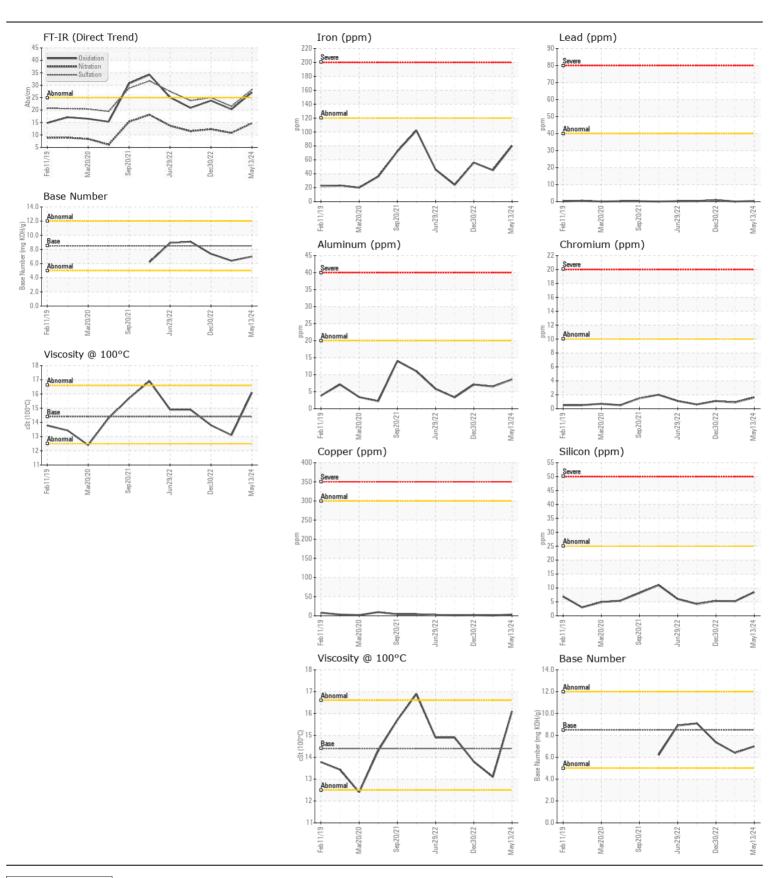
Component

Diesel Engine

Fluid

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ECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		DC0034078	DC0026326	DC0024125
	Sample Date		Client Info		13 May 2024	26 Apr 2023	30 Dec 202
	Machine Age	mls	Client Info		213155	0	159128
	Oil Age	mls	Client Info		4378	0	3613
	Filter Age	mls	Client Info		4378	0	3613
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
/EAR	Iron	ppm	ASTM D5185m	<b>\120</b>	80	45	56
WLAIT	Chromium	ppm	ASTM D5185m		2	<1	1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		1	<1	<1
	Titanium	ppm	ASTM D5185m	/5	<1	<1	0
	Silver	ppm	ASTM D5185m	<u> </u>	0	0	0
	Aluminum	ppm	ASTM D5185m		9	6	7
	Lead	ppm	ASTM D5185m		<1	0	<1
	Copper	ppm	ASTM D5185m		3	1	2
	Tin	ppm	ASTM D5185m		<1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
ONTANUNATION	Oiline		AOTA DEADE	05	• • • • • • • • • • • • • • • • • • • •		
CONTAMINATION	Silicon	ppm	ASTM D5185m		8	5	5
There is no indication of any contamination in the oil.	Potassium Fuel	ppm	ASTM D5185m		8	5 <1.0	<1.0
			WC Method		<1.0		
	Water		WC Method	>0.1	NEG	NEG	NEG
	Glycol Soot %	0/	*ASTM D7844		NEG	NEG 1	NEG 1
	Nitration	% Abs/cm	*ASTM D7624	>20	1.2 14.7	10.8	12.3
	Sulfation	Abs/.1mm	*ASTM D7624		28.2	21.5	25.0
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORMI
	Emulsified Water		*Visual	>0.1	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m		8	3	4
he BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		0	1	<1
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	100	67	61	65
	Manganese	ppm	ASTM D5185m		3	1	2
	Magnesium	ppm	ASTM D5185m		1043	1027	1029
	Calcium	ppm	ASTM D5185m		1190	1105	1167
	Phosphorus	ppm	ASTM D5185m		1094	1015	1025
	Zinc	ppm	ASTM D5185m		1403	1268	1335
	Sulfur	ppm	ASTM D5185m		2870	3100	3264
	Oxidation	Abs/.1mm	*ASTM D7414	>25	27.1	20.3	23.8
	Base Number (BN)		A OTA A DOGGO	0.5	7.0	6.4	7.37





Certificate L2367

Laboratory Sample No. Unique Number : 11115627

Lab Number : 06232134

: DC0034078

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

: 10 Jul 2024 : 11 Jul 2024 Diagnosed

: 11 Jul 2024 - Don Baldridge

Test Package : MOB 1 ( Additional Tests: TBN ) 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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