WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL ABNORMAL

OIL ANALYSIS REPORT

Machine Id

DODGE RC116

Gasoline Engine

PECOMMENDATION Oil and filter change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		TR02627287	TR02602241	TR02597083
	Sample Date		Client Info		13 Jan 2024	02 Dec 2023	14 Oct 2020
	Machine Age	hrs	Client Info		147857	124279	99764
	Oil Age	hrs	Client Info		23578	24515	25529
	Filter Age	hrs	Client Info		23578	24515	25529
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185(m)	>150	16	17	17
All component wear rates are normal.	Chromium	ppm	ASTM D5185(m)		<1	<1	<1
	Nickel	ppm	ASTM D5185(m)		<1	<1	<1
	Titanium	ppm	ASTM D5185(m)		0	0	0
	Silver	ppm	ASTM D5185(m)	>2	0	<1	<1
	Aluminum	ppm	ASTM D5185(m)	>40	5	3	4
	Lead	ppm	ASTM D5185(m)		0	1	2
	Copper	ppm	ASTM D5185(m)	>155	9	15	17
	Tin	ppm	ASTM D5185(m)	>10	0	0	0
	Vanadium	ppm	ASTM D5185(m)		0	0	0
CONTAMINATION	Silicon	ppm	ASTM D5185(m)	>30	11	22	22
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185(m)	>20	<1	<1	0
	Fuel	1-1-	WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	ASTM D7844*		0	0	0
	Nitration	Abs/cm	ASTM D7624*	>20	12.9	13.7	13.6
	Sulfation	Abs/.1mm	ASTM D7415*	>30	70.8	37.2	40.2
	Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185(m)	>400	2	2	2
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185(m)		27	27	18
oil. Viscosity of sample indicates oil is within SAE 50 range, advise	Barium	ppm	ASTM D5185(m)		0	<1	<1
investigate. This plus the additive levels indicates that this is not the	Molybdenum	ppm	ASTM D5185(m)	400	5 4	91	126
same brand, or type of oil as reported. The AN level is acceptable for this fluid.	Manganese	ppm	ASTM D5185(m)		0	2	2
	Magnesium	ppm	ASTM D5185(m)	600	354	458	438
	Calcium	ppm	ASTM D5185(m)	1500	820	1147	1018
	Phosphorus	ppm	ASTM D5185(m)		435	601	535
	Zinc	ppm	ASTM D5185(m)	900	546	722	677
	Sulfur	ppm	ASTM D5185(m)		<u> </u>	1995	1390
	Oxidation	Abs/.1mm	ASTM D7414*	>25	26.8	29.1	28.6
	Acid Number (AN)		ASTM D974*		2.86	 0.E1	
	Doog Number (DNI)	ma 1/011/a			4 24		2 22

Base Number (BN) mg KOH/g ASTM D2896* 8.5

Viscosity Index (VI) Scale ASTM D2270* 150

ASTM D7279(m) 8.5

Visc @ 100°C cSt

3.51

9.8

4.31

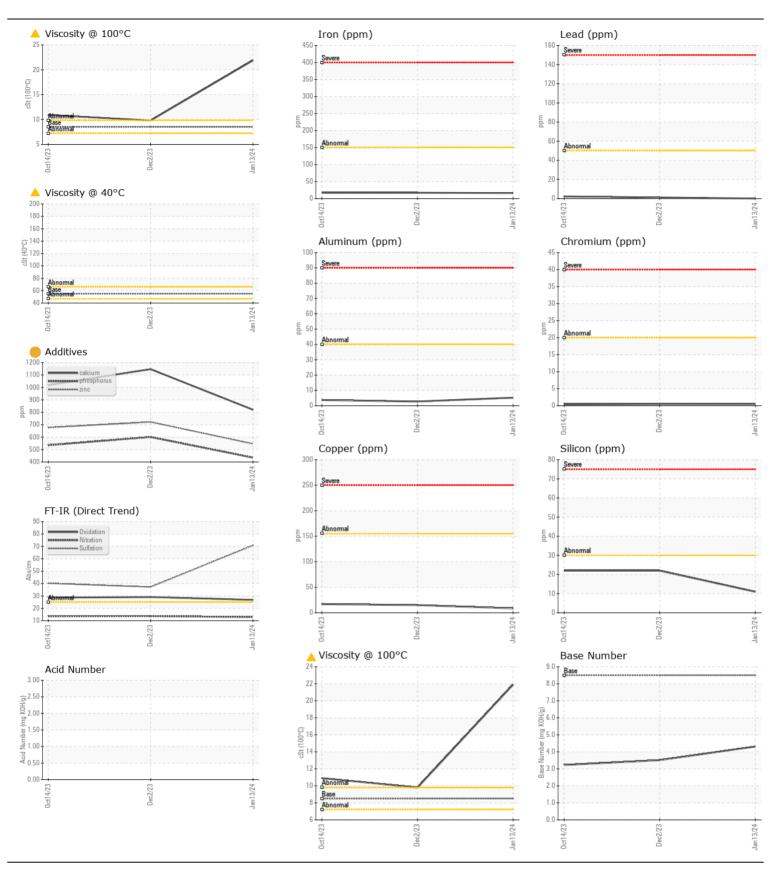
193

21.9

136

3.23

10.9





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

: TR02627287 : 02627287 Unique Number : 5760419

Received **Tested** Diagnosed

: 08 Apr 2024 : 10 Apr 2024

: 11 Apr 2024 - Kevin Marson Test Package : MOB 1 (Additional Tests: KV40, TAN AUTO, TAN Man, TBN, VI) 3031 ARTHUR ST ROSSLYN, ON CA P7K 0P2 Contact: Henry

> T: (807)475-5951 F: (807)475-8619

WILCO CONTRACTORS

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)