

## Machine Id DODGE 2C4RDGEG4ER146344

## Gasoline Engine

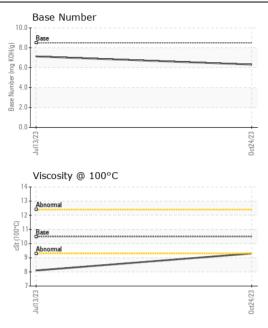
## TRC PRO-SPEC SYNTHETIC 5W30 (5 QTS)

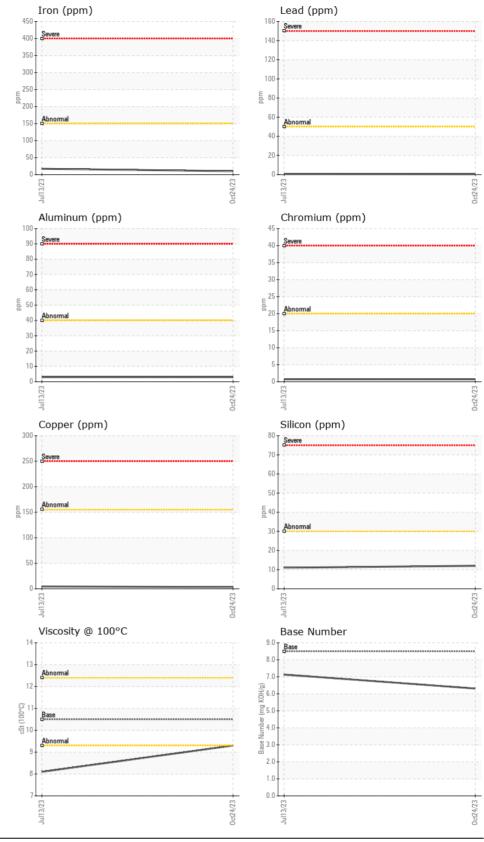
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06055059	TR05902920	
	Sample Date		Client Info		24 Oct 2023	13 Jul 2023	
	Machine Age	mls	Client Info		228974	223476	
	Oil Age	mls	Client Info		5000	4000	
	Filter Age	mls	Client Info		5000	4000	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>150	10	17	
	Chromium	ppm	ASTM D5185m	>20	<1	<1	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	0	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m	>2	0	0	
	Aluminum	ppm	ASTM D5185m		3	3	
	Lead	ppm	ASTM D5185m		<1	<1	
	Copper	ppm	ASTM D5185m		3	4	
	Tin	ppm	ASTM D5185m		<1	<1	
	Vanadium	ppm	ASTM D5185m	210	0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION There is no indication of any contamination in the oil.	Silicon		ASTM D5185m	. 20	12	11	
	Potassium	ppm	ASTM D5185m		2	2	
	Fuel	ppm	WC Method			<1.0	
	Water				<1.0 NEG	NEG	
	Glycol		WC Method WC Method	>0.2	NEG	NEG	
	Soot %	%	*ASTM D7844		0	0	
	Nitration		*ASTM D7644	× 20	9.2	9.2	
	Sulfation	Abs/cm Abs/.1mm	*ASTM D7624			9.2	
	Silt		*Visual		17.7 NONE	NONE	
	Debris	scalar scalar	*Visual	NONE NONE	NONE	NONE	
	Sand/Dirt		*Visual	NONE	NONE	NONE	
		scalar	*Visual	NORML	NORML	NORML	
	Appearance Odor	scalar scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water		*Visual	>0.2	NEG	NEG	
FLUID CONDITION							
	Sodium	ppm	ASTM D5185m	>400	2	2	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		55	43	
	Barium	ppm	ASTM D5185m	400	0	0	
	Molybdenum	ppm	ASTM D5185m	400	168	92	
	Manganese	ppm	ASTM D5185m	000	<1	<1	
	Magnesium	ppm	ASTM D5185m		567	462	
	Calcium	ppm	ASTM D5185m		1515	1238	
	Phosphorus	ppm	ASTM D5185m		746	719	
	Zinc	ppm	ASTM D5185m	900	992	847	
	Sulfur	ppm	ASTM D5185m		2840	2634	
	Oxidation	Abs/.1mm	*ASTM D7414		11.7	10.5	
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	6.31	7.13	
	Vier @ 10000	- 01		10 -		0 1	

Visc @ 100°C cSt ASTM D445 10.5

8.1

9.3





HARLAN MUNNING Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : TR06055059 Recieved : 08 Jan 2024 212 COUNTY RD 1 Lab Number : 06055059 : 10 Jan 2024 MT LAKE, MN Diagnosed Diagnostician Unique Number : 10821008 : Wes Davis US 56159 Test Package : MOB 2 Contact: HARLAN MUNNING 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. T:

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

Contact/Location: HARLAN MUNNING - MAYMTL