

OIL ANALYSIS REPORT

Machine Id **DODGE RAM 1500** Compone Gasoline Engine TRC PRO-SPEC SYNTHETIC 5W20 (7 QTS)

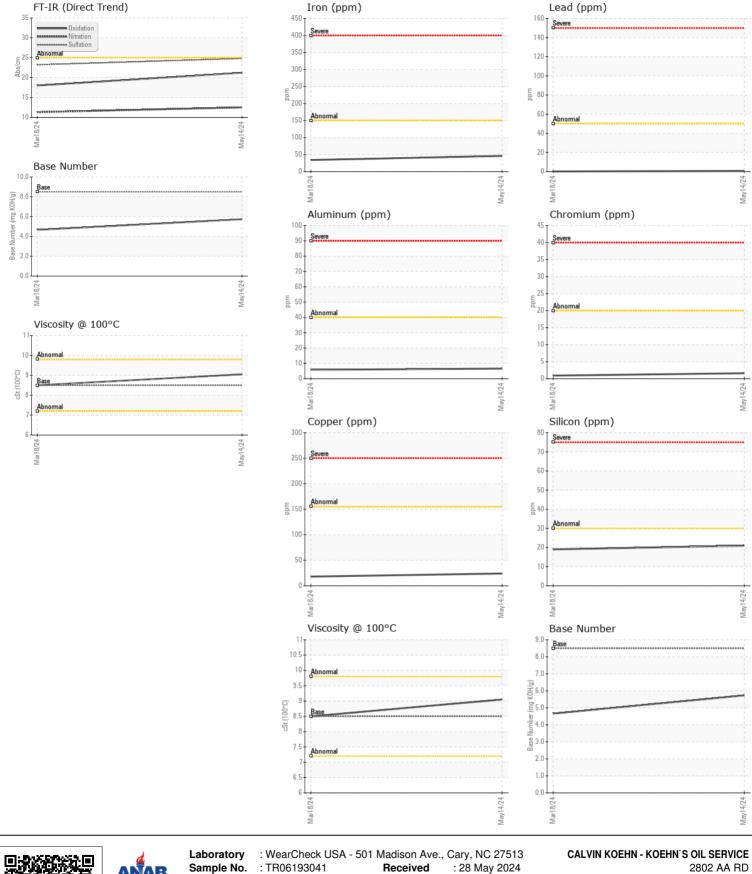
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06193041	TR06153836	
	Sample Date		Client Info		14 May 2024	18 Mar 2024	
	Machine Age	mls	Client Info		67731	65047	
	Oil Age	mls	Client Info		10504	7820	
	Filter Age	mls	Client Info		10504	7820	
	Oil Changed		Client Info		Changed	Not Changd	
	Filter Changed		Client Info		Changed	Not Changd	
	Sample Status				NORMAL	NORMAL	
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>150	46	34	
	Chromium	ppm	ASTM D5185m	>20	2	<1	
	Nickel	ppm	ASTM D5185m		1	<1	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m	>2	1	<1	
	Aluminum	ppm	ASTM D5185m		7	6	
	Lead	ppm	ASTM D5185m		<1	<1	
	Copper	ppm	ASTM D5185m		24	18	
	Tin	ppm	ASTM D5185m		<1	<1	
	Vanadium	ppm	ASTM D5185m		<1	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	<u>_</u> 30	21	19	
	Potassium	ppm	ASTM D5185m		2	2	
There is no indication of any contamination in the oil.	Fuel	ppm	WC Method		<1.0	<1.0	
	Water		WC Method		NEG	NEG	
	Glycol		WC Method	20.2	NEG	NEG	
	Soot %	%	*ASTM D7844		0.1	0	
	Nitration	Abs/cm	*ASTM D7624	>20	12.5	11.3	
	Sulfation	Abs/.1mm	*ASTM D7024		24.8	23.2	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water		*Visual	>0.2	NEG	NEG	
FLUID CONDITION The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.							
	Sodium	ppm	ASTM D5185m	>400	3	3	
	Boron	ppm	ASTM D5185m		19	21	
	Barium	ppm	ASTM D5185m		1	0	
	Molybdenum	ppm	ASTM D5185m	400	221	199	
	Manganese	ppm	ASTM D5185m		2	<1	
	Magnesium	ppm	ASTM D5185m		412	388	
	Calcium	ppm			1178	1067	
	Phosphorus	ppm	ASTM D5185m		571	560	
	Zinc	ppm	ASTM D5185m	900	719	674	
	Sulfur	ppm	ASTM D5185m		1862	1742	
	Oxidation	Abs/.1mm	*ASTM D7414	>25	21.2	18.0	
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	5.73	4.66	
		<u> </u>		~ -			

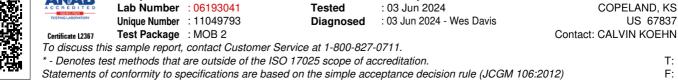
Visc @ 100°C cSt

ASTM D445 8.5

9.05

8.5





Contact/Location: CALVIN KOEHN - CALCOP Page 2 of 2

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