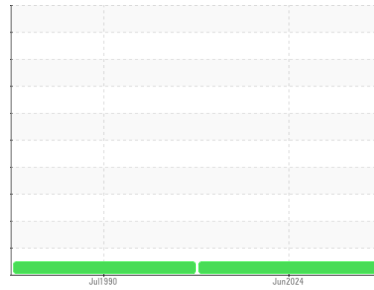




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
DODGE RAM 1500
 Component
Diesel Engine
 Fluid
DISEL ENGINE OIL SAE 5W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 5W40. Please confirm.

Wear

All component wear rates are normal.

Contamination

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.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC	WC00022399	---
Sample Date	Client Info			18 Jun 2024	27 Jul 1990	---
Machine Age	kms	Client Info		264952	-1	---
Oil Age	kms	Client Info		10195	0	---
Oil Changed	Client Info			N/A	---	---
Sample Status				NORMAL	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<1.0	<1.0	---
Water	WC Method	>0.2		NEG	NEG	---
Glycol	WC Method			NEG	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	7	59	---
Chromium	ppm	ASTM D5185(m)	>20	<1	3	---
Nickel	ppm	ASTM D5185(m)	>4	<1	0	---
Titanium	ppm	ASTM D5185(m)		<1	---	---
Silver	ppm	ASTM D5185(m)	>3	<1	0	---
Aluminum	ppm	ASTM D5185(m)	>20	4	3	---
Lead	ppm	ASTM D5185(m)	>40	0	7	---
Copper	ppm	ASTM D5185(m)	>330	1	6	---
Tin	ppm	ASTM D5185(m)	>15	0	6	---
Antimony	ppm	ASTM D5185(m)		0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Beryllium	ppm	ASTM D5185(m)		0	---	---
Cadmium	ppm	ASTM D5185(m)		0	---	---

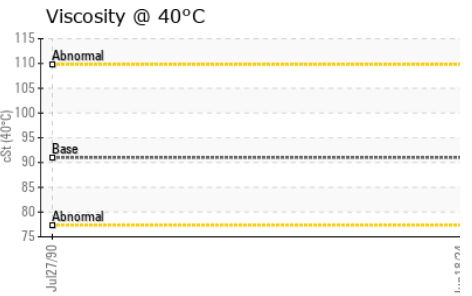
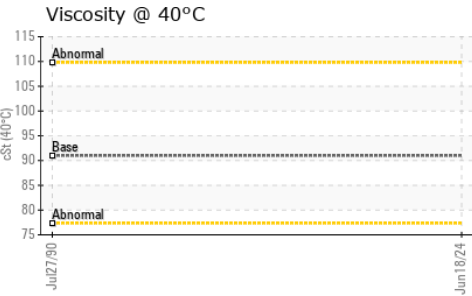
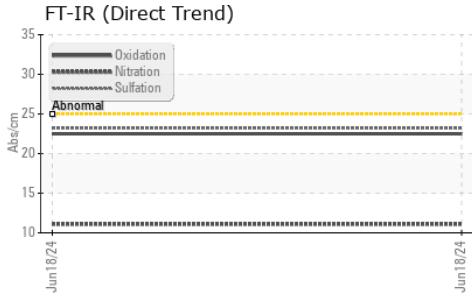
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	117	37	---
Barium	ppm	ASTM D5185(m)	10	0	---	---
Molybdenum	ppm	ASTM D5185(m)	100	<1	<1	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)	450	77	338	---
Calcium	ppm	ASTM D5185(m)	3000	1857	1242	---
Phosphorus	ppm	ASTM D5185(m)	1150	844	939	---
Zinc	ppm	ASTM D5185(m)	1350	968	1037	---
Sulfur	ppm	ASTM D5185(m)	4250	2473	---	---
Lithium	ppm	ASTM D5185(m)		1	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	13	---
Sodium	ppm	ASTM D5185(m)	>44	7	11	---
Potassium	ppm	ASTM D5185(m)	>20	10	4	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	11.1	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.2	---	---



OIL ANALYSIS REPORT

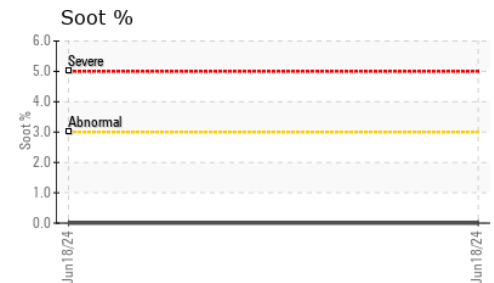
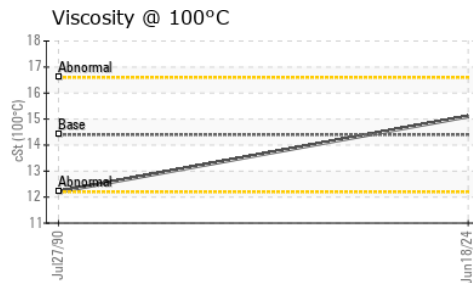
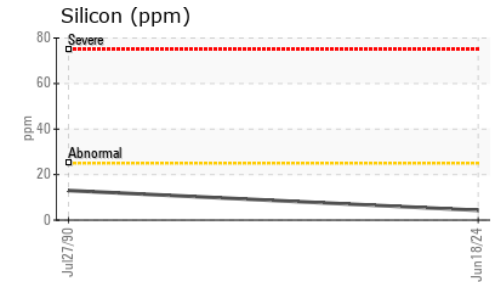
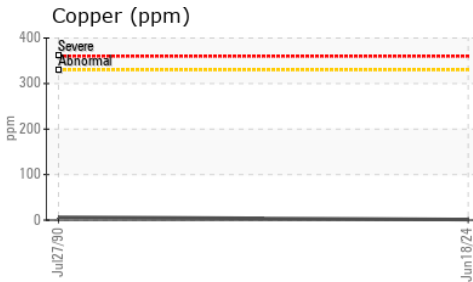
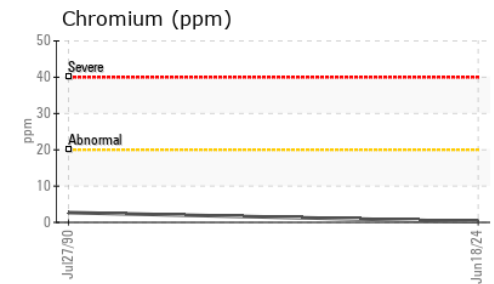
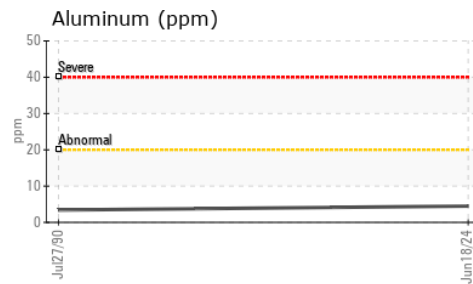
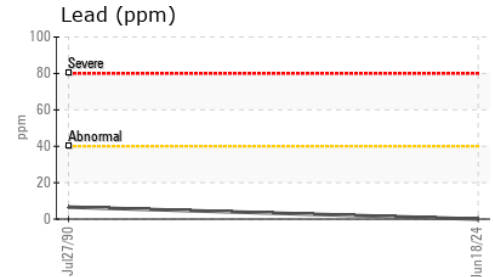
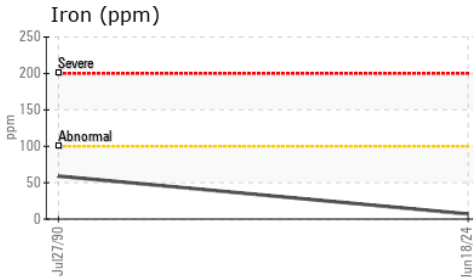


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	22.5	---	---

VISUAL	method	limit/base	current	history1	history2	
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	91	97.9	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	15.1	12.2	---
Viscosity Index (VI)	Scale	ASTM D2270*	164	162	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC **Received** : 19 Jun 2024
Lab Number : **02642868** **Tested** : 19 Jun 2024
Unique Number : 5800407 **Diagnosed** : 19 Jun 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV40, VI)

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.