



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
GMC C7500 8
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 10W30 (16 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0916532	WCMF239740	---
Sample Date		Client Info		30 May 2024	27 Sep 2007	---
Machine Age	mls	Client Info		254167	166300	---
Oil Age	mls	Client Info		0	5000	---
Filter Age	mls	Client Info		0	5000	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	11	39	---
Chromium	ppm	ASTM D5185m	>15	<1	3	---
Nickel	ppm	ASTM D5185m	>4	0	1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>15	2	4	---
Lead	ppm	ASTM D5185m	>70	<1	2	---
Copper	ppm	ASTM D5185m	>175	<1	4	---
Tin	ppm	ASTM D5185m	>5	0	1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

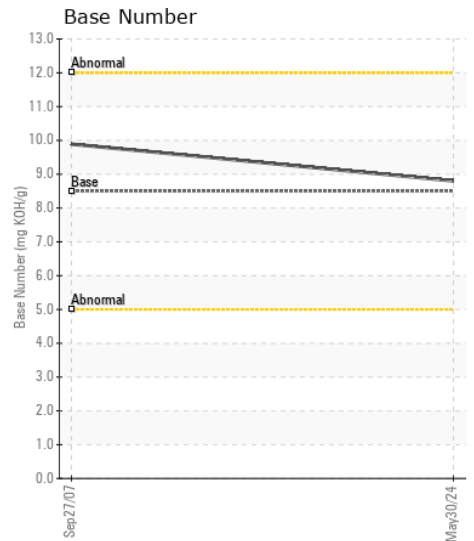
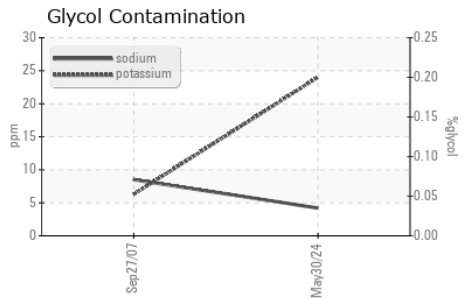
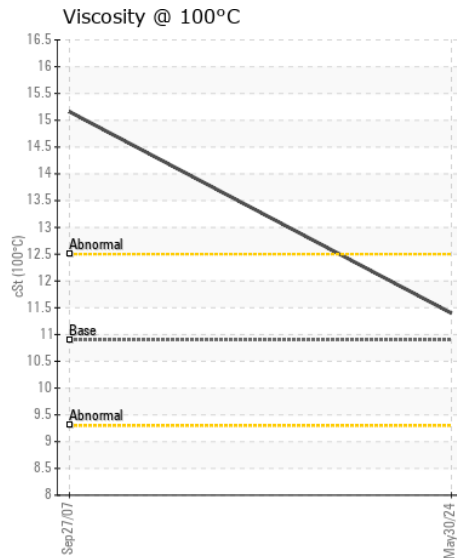
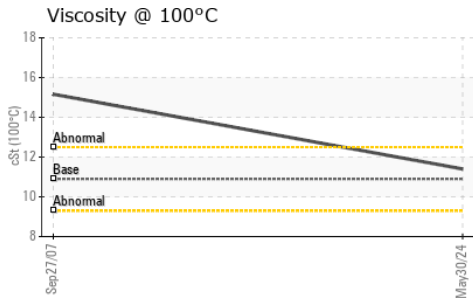
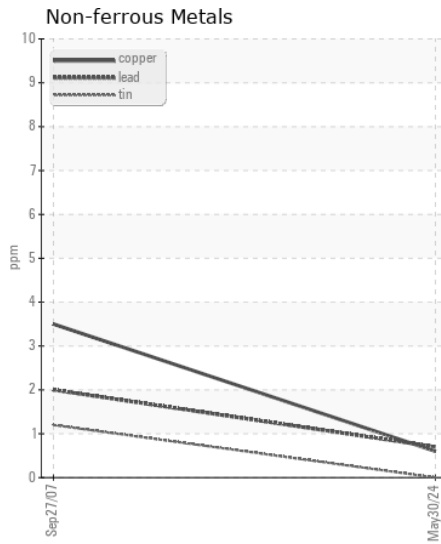
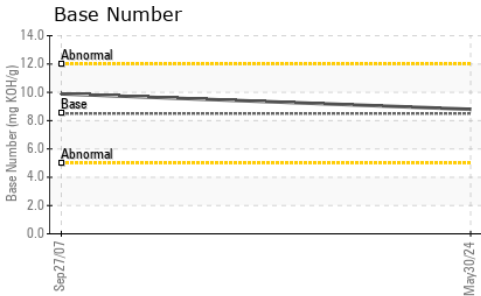
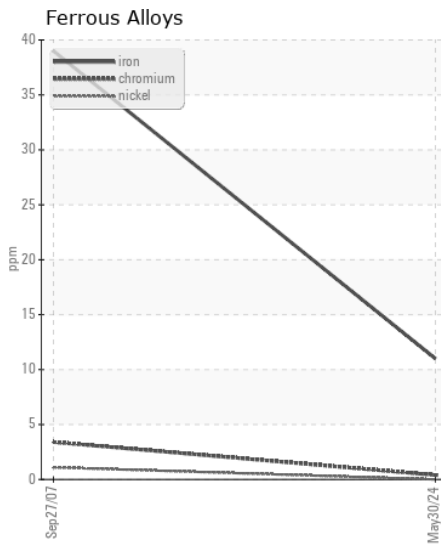
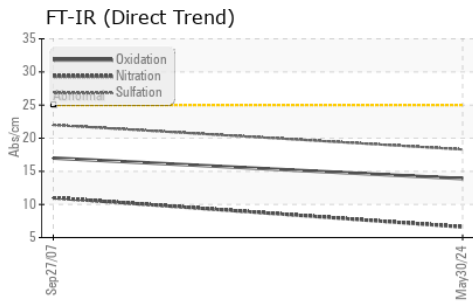
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	4	11	---
Potassium	ppm	ASTM D5185m	>20	24	6	---
Fuel		WC Method	>3.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol	%	*ASTM D2982		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.2	0	---
Nitration	Abs/cm	*ASTM D7624	>20	6.6	11.	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.3	22.	---
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	scalar	*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		4	8	---
Boron	ppm	ASTM D5185m	250	5	9	---
Barium	ppm	ASTM D5185m	10	0	0	---
Molybdenum	ppm	ASTM D5185m	100	58	20	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m	450	919	15	---
Calcium	ppm	ASTM D5185m	3000	1247	2906	---
Phosphorus	ppm	ASTM D5185m	1150	1069	1068	---
Zinc	ppm	ASTM D5185m	1350	1295	1163	---
Sulfur	ppm	ASTM D5185m	4250	3792	3133	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.9	17.	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.8	9.89	---
Visc @ 100°C	cSt	ASTM D445	10.9	11.4	15.16	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0916532 **Received** : 14 Jun 2024
Lab Number : 06211100 **Tested** : 19 Jun 2024
Unique Number : 11083964 **Diagnosed** : 19 Jun 2024 - Sean Felton
Test Package : FLEET (Additional Tests: Glycol)

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 3403 EAST ROOSEVELT ROAD
 LITTLE ROCK, AR
 US 72206
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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)