



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**Store 4 - Fairmont [RO# 152323]**  
 Machine Id  
**CHEVROLET 2500HD 1GC4YLEY8RF149454**  
 Component  
**Diesel Engine**  
 Fluid  
**SHELL ROTELLA T 15W40 (10 QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor. ( Customer Sample Comment: LAST SERVICE ON 05/29/24 AT 50,236 MILES BY LUBE DEPOT TICKET# 73236 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LECC050933	---	---
Sample Date		Client Info		21 Jun 2024	---	---
Machine Age	hrs	Client Info		53497	---	---
Oil Age	hrs	Client Info		3261	---	---
Filter Age	hrs	Client Info		3261	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	10	---	---
Chromium	ppm	ASTM D5185m	>20	0	---	---
Nickel	ppm	ASTM D5185m	>4	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m	>3	0	---	---
Aluminum	ppm	ASTM D5185m	>20	3	---	---
Lead	ppm	ASTM D5185m	>40	0	---	---
Copper	ppm	ASTM D5185m	>330	38	---	---
Tin	ppm	ASTM D5185m	>15	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

**CONTAMINATION**

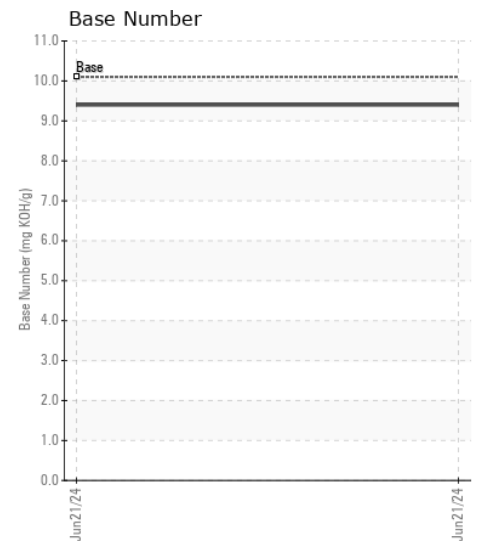
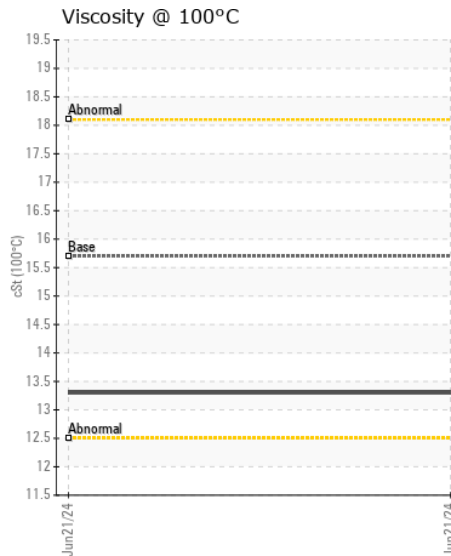
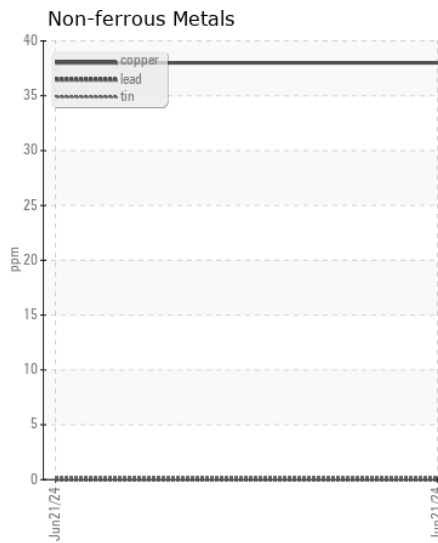
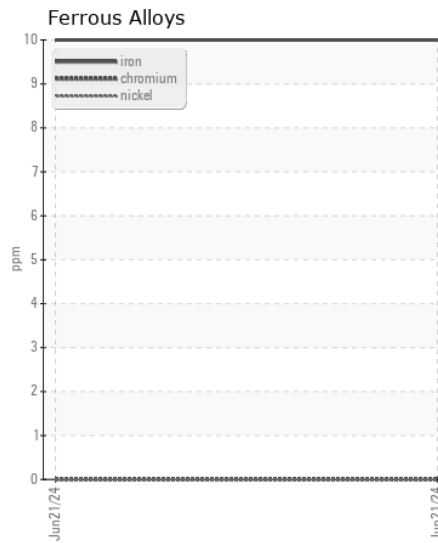
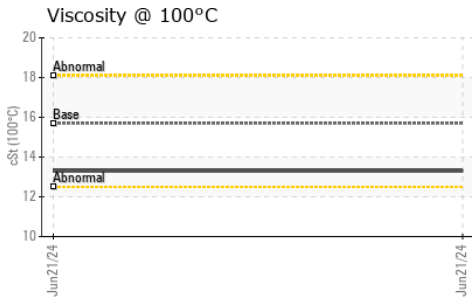
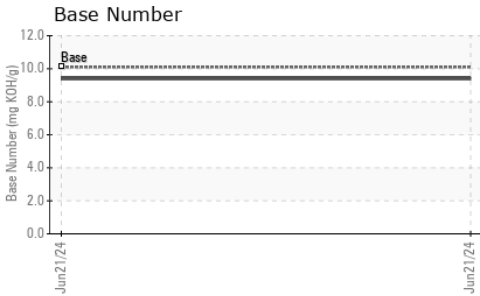
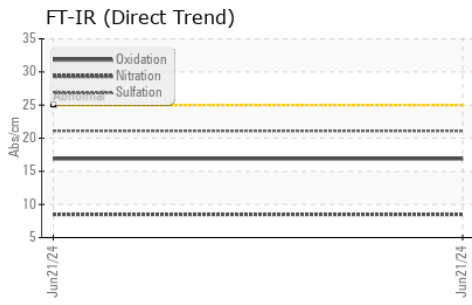
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>120	5	---	---
Potassium	ppm	ASTM D5185m	>20	6	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	*ASTM D7844	>3	0.5	---	---
Nitration	Abs/cm	*ASTM D7624	>20	8.5	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.1	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---

**FLUID CONDITION**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		3	---	---
Boron	ppm	ASTM D5185m	316	28	---	---
Barium	ppm	ASTM D5185m	0.0	<1	---	---
Molybdenum	ppm	ASTM D5185m	1.2	41	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m	24	494	---	---
Calcium	ppm	ASTM D5185m	2292	1356	---	---
Phosphorus	ppm	ASTM D5185m	1064	962	---	---
Zinc	ppm	ASTM D5185m	1160	1146	---	---
Sulfur	ppm	ASTM D5185m	4996	3209	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.9	---	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	9.4	---	---
Visc @ 100°C	cSt	ASTM D445	15.7	13.3	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0050933 **Received** : 26 Jun 2024  
**Lab Number** : 06220837 **Tested** : 27 Jun 2024  
**Unique Number** : 11099034 **Diagnosed** : 27 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: TBN )

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)

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.com

T:  
 F: (740)373-5570