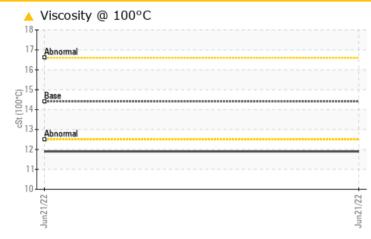


PROBLEM SUMMARY

Area **Store 9 - Marietta 5028**

Component Diesel Engine Fluid DIESEL ENGINE OIL SAE 15W40 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC T	EST RE	SULTS			
Sample Status				ABNORMAL	
Visc @ 100°C	cSt	ASTM D445	14.4	<u> </u>	

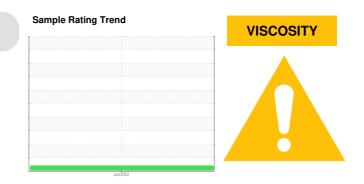
Customer Id: LARBELOH Sample No.: LEC0028013 Lab Number: 05577342 Test Package: MOBCE



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>



RECOMMENDED	ACTIONS			
Action	Status	Date	Done By	Description
Change Fluid			?	Oil and filter change at the time of sampling has been noted.
Change Filter			?	Oil and filter change at the time of sampling has been noted.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Area **Store 9 - Marietta 5028** Component

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

A Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

				Jun2022		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		LEC0028013		
Sample Date		Client Info		21 Jun 2022		
Machine Age	hrs	Client Info		261		
Oil Age	hrs	Client Info		261		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
	N	method	limit/base	current	history1	history2
Glycol	N	WC Method	IIIIII/Dase	NEG		
WEAR METALS		method	limit/base	current	history1	history2
						Thistoryz
Iron	ppm	ASTM D5185m	>100	30		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>20	3		
Lead	ppm	ASTM D5185m	>40	1		
Copper	ppm	ASTM D5185m	>330	134		
Tin	ppm	ASTM D5185m	>15	1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	136		
Barium	ppm	ASTM D5185m	10	5		
Molybdenum	ppm	ASTM D5185m	100	10		
Manganese	ppm	ASTM D5185m		4		
Magnesium	ppm	ASTM D5185m	450	149		
Calcium	ppm	ASTM D5185m	3000	1856		
Phosphorus	ppm	ASTM D5185m				
	NNII		1150	802		
Zinc			1150	802 1014		
	ppm	ASTM D5185m	1350	1014		
Sulfur	ppm ppm	ASTM D5185m ASTM D5185m	1350 4250	1014 2819		
Sulfur CONTAMINANTS	ppm ppm	ASTM D5185m ASTM D5185m method	1350 4250 limit/base	1014 2819 current		
Sulfur CONTAMINANTS Silicon	ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m	1350 4250 limit/base >!20	1014 2819 current 17	 history1 	 history2
Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	1350 4250 limit/base >!20 >158	1014 2819 current 17 5	 history1 	 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m	1350 4250 limit/base >!20 >158 >20	1014 2819 current 17 5 5	 history1 	 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524	1350 4250 limit/base >!20 >158 >20 >5	1014 2819 current 17 5	 history1 	 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 Method	1350 4250 limit/base >!20 >158 >20	1014 2819 current 17 5 5	 history1 	 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524	1350 4250 limit/base >!20 >158 >20 >5	1014 2819 current 17 5 5 1.7	 history1 	 history2
Silicon Sodium Potassium Fuel	ppm ppm ppm ppm ppm %	ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 Method	1350 4250 >!20 >158 >20 >5 Iimit/base >3	1014 2819 current 17 5 5 1.7 current	 history1 history1	 history2 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm %	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844	1350 4250 >!20 >158 >20 >5 Iimit/base >3	1014 2819 current 17 5 5 1.7 current 0.3	 history1 history1 	 history2 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm % % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844 *ASTM D7844	1350 4250 limit/base >!20 >158 >20 >5 limit/base >3 >20	1014 2819 current 17 5 5 1.7 current 0.3 9.6	 history1 history1 history1	 history2 history2 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm % % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844 *ASTM D7624 *ASTM D7415	1350 4250 limit/base >120 >158 >20 >5 limit/base >3 >20 >3 >20	1014 2819 current 17 5 5 1.7 current 0.3 9.6 22.1	 history1 history1 	 history2 history2 history2

Sample Rating Trend





Fuel Dilution

10.0

8 (

6. % fuel

2.0

0.0

10.0

8.

6

2.0

0.0

14 ((B/HOX 10.0

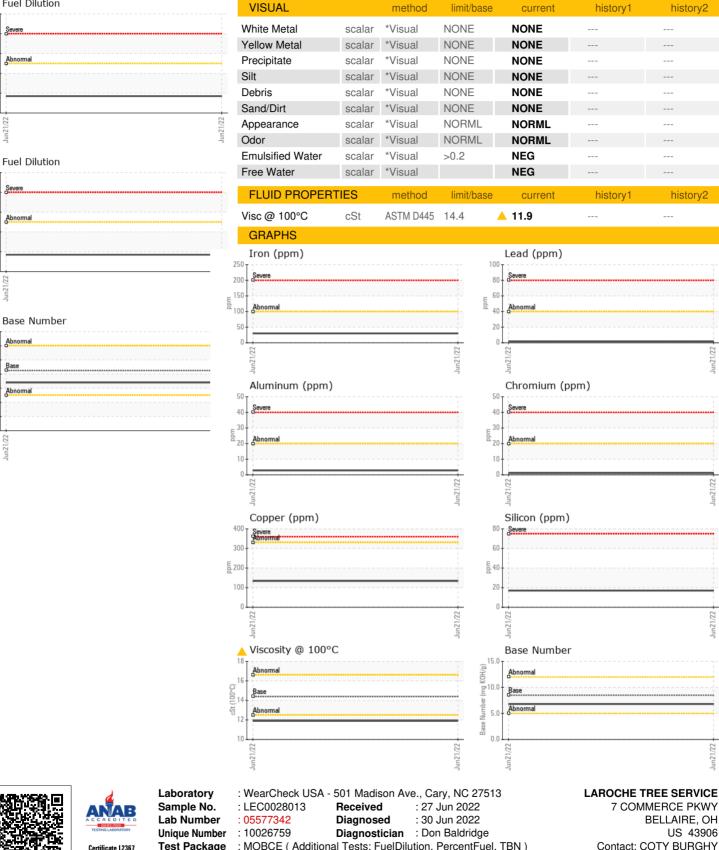
Base Number (mg K) 4.0 2.0

2.0

0.0

file | 4.0

OIL ANALYSIS REPORT



Contact/Location: COTY BURGHY - LARBELOH

T:

F:

7 COMMERCE PKWY

history2

history2