

15

11

10

9

8

Nov14/23

Vov14/23

Abnormal



Abnormal

80. Sever

40

20

0

Vov14/23

Md 60

No corrective action is recommended at this time. Resample at the next service interval to monitor.

	PROBLEMATIC TEST RESULTS						
	Sample Status				ABNORMAL		
	Silicon	ppm	ASTM D5185m	>25	<u> </u>		
	Visc @ 100°C	cSt	ASTM D445		9 7		

Customer Id: GFL642 Sample No.: GFL0061436 Lab Number: 06011260 Test Package: FLEET



To discuss the diagnosis or test data: Sean Felton +1 919-379-4092 sfelton@wearcheckusa.com

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

Vov14/23

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

DIRT



DIAGNOSIS

Wear

breaking in.

Contamination

Fluid Condition

the oil. Confirm oil type.

Recommendation

Metal levels are typical for a new component

Elemental level of silicon (Si) above normal

that there is no fuel present in the oil.

{UNASSIGNED} 814037 MACK Lr64r Componen

Diesel Engine

TIER ONE 15W40 (--- GAL)

SAMPLE INFORMATION method limit/base current history1 history2 GFL0061436 Sample Number **Client Info** No corrective action is recommended at this time. Sample Date Client Info 14 Nov 2023 Resample at the next service interval to monitor. 285 Machine Age hrs **Client Info** Oil Age hrs Client Info 281 Oil Changed Client Info Not Changd ABNORMAL Sample Status CONTAMINATION method limit/base current history1 history2 indicating ingress of seal material. Tests indicate Water >0.2 WC Method NEG WC Method Glycol NEG WEAR METALS method limit/base historv1 current history2 The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in Iron ASTM D5185m >120 27 ppm ASTM D5185m >20 Chromium ppm <1 Nickel ASTM D5185m >5 9 ppm ASTM D5185m >2 Titanium ppm <1 Silver ppm ASTM D5185m >2 <1 Aluminum ASTM D5185m >20 5 ppm ASTM D5185m >40 0 Lead ppm ASTM D5185m Copper >330 31 ppm Tin ppm ASTM D5185m >15 1 Vanadium ASTM D5185m 0 ppm Cadmium ppm ASTM D5185m 0 **ADDITIVES** method limit/base current history1 history2 Boron ppm ASTM D5185m 344 Barium ppm ASTM D5185m 1 Molybdenum ppm ASTM D5185m 117 Manganese ASTM D5185m 3 ppm Magnesium ppm ASTM D5185m 636 Calcium ASTM D5185m 1364 ppm Phosphorus ppm ASTM D5185m 651 Zinc ASTM D5185m 810 ppm Sulfur ppm ASTM D5185m 2528 **CONTAMINANTS** method limit/base current history1 history2 Silicon ASTM D5185m >25 101 ppm Sodium ASTM D5185m ppm <1 Potassium ASTM D5185m >20 6 ppm Fuel % ASTM D3524 >3.0 0.4 **INFRA-RED** method limit/base current history1 history2 0.2 % *ASTM D7844 >4 Soot % Nitration Abs/cm *ASTM D7624 >20 7.4 25.6 Sulfation *ASTM D7415 >30 Abs/.1mm FLUID DEGRADATION method limit/base current history1 history2 *ASTM D7414 >25 20.8 Oxidation Abs/.1mm 9.0 Base Number (BN) mg KOH/g ASTM D2896





OIL ANALYSIS REPORT



Submitted By: BRITTANY FLINN