





Machine Id **2567** Component **Diesel Engine** Fluid **DIESEL ENGINE OIL SAE 40 (--- GAL)**

COMPONENT CONDITION SUMMARY







RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS										
Sample Status				ABNORMAL	SEVERE	NORMAL				
Aluminum	ppm	ASTM D5185m	>25	<u> </u>	<1	5				
Silicon	ppm	ASTM D5185m	>30	A 73	5	6				
Visc @ 100°C	cSt	ASTM D445	14.4	<u> </u>		13.3				

Customer Id: GFL732 Sample No.: GFL0046603 Lab Number: 05919674 Test Package: FLEET



To manage this report scan the QR code To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

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

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Resample			?	We recommend an early resample to monitor this condition.			
Check Dirt Access			?	We advise that you check the air filter, air induction system, and any areas where dirt may enter the component.			

HISTORICAL DIAGNOSIS



05 May 2023 Diag: Jonathan Hester

We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.



02 May 2023 Diag: Wes Davis

NORMAL



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 40. Please confirm. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT





Machine Id 2567 Component **Diesel Engine** Fluic **DIESEL ENGINE OIL SAE 40 (--- GAL)**

DIAGNOSIS

Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend an early resample to monitor this condition.

🔺 Wear

All component wear rates are normal.

Contamination

Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.

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.

SAMPLE INFORMATION method limit/base current history1	history2
Sample Number Client Info GFL0046603 GFL0077896 G	GFL0046591
Sample Date Client Info 07 Aug 2023 05 May 2023 0	02 May 2023
Machine Age hrs Client Info 0 0	C
Oil Age hrs Client Info 0 0	C
Oil Changed Client Info Not Changd Not Changd N	Not Changd
Sample Status ABNORMAL SEVERE N	NORMAL
CONTAMINATION method limit/base current history1	history2
Glycol WC Method NEG NEG	NEG
WEAR METALS method limit/base current history1	history2
Iron ppm ASTM D5185m >110 39 9	15
Chromium ppm ASTM D5185m >4 1 <1	0
Nickel ppm ASTM D5185m >2 6 <1	0
Titanium ppm ASTM D5185m <1	0
Silver ppm ASTM D5185m >2 1 0	0
Aluminum ppm ASTM D5185m >25 ▲ 10 <1	5
Lead ppm ASTM D5185m >45 0 <1	0
Copper ppm ASTM D5185m >85 20 <1	0
Tin ppm ASTM D5185m >4 3 2	0
Vanadium ppm ASTM D5185m 0 <1	0
Cadmium ppm ASTM D5185m 0 <1	0
ADDITIVES method limit/base current history1	history2
Boron ppm ASTM D5185m 250 76 21	4
Barium ppm ASTM D5185m 10 <1	0
Molybdenum ppm ASTM D5185m 100 109 60	
	58
Manganese ppm ASTM D5185m 5 <1	58 0
Manganese ppm ASTM D5185m 5 <1	58 0 934
Manganese ppm ASTM D5185m 5 <1	58 0 934 1047
Manganese ppm ASTM D5185m 5 <1	58 0 934 1047 997
Manganese ppm ASTM D5185m 5 <1	58 0 934 1047 997 1228
Manganese ppm ASTM D5185m 5 <1	58 0 934 1047 997 1228 3353
Manganese ppm ASTM D5185m 5 <1	58 0 934 1047 997 1228 3353 history2
Manganese ppm ASTM D5185m 5 <1	58 0 934 1047 997 1228 3353 history2 6
Manganese ppm ASTM D5185m 5 <1	58 0 934 1047 997 1228 3353 history2 6 2
Manganese ppm ASTM D5185m 5 <1	58 0 934 1047 997 1228 3353 history2 6 2 3
Manganese ppm ASTM D5185m 5 <1	58 0 934 1047 997 1228 3353 history2 6 2 3 3 <1.0
Manganese ppm ASTM D5185m 5 <1	58 0 934 1047 997 1228 3353 history2 6 2 3 <1.0 history2
Manganese ppm ASTM D5185m 5 <1	58 0 934 1047 997 1228 3353 history2 6 2 3 <1.0 kistory2 0.4
Manganese ppm ASTM D5185m 5 <1	58 0 934 1047 997 1228 3353 history2 6 2 3 <1.0 kistory2 0.4 8.3
Manganese ppm ASTM D5185m 5 <1	58 0 934 1047 997 1228 3353 history2 6 2 3 <1.0 history2 0.4 8.3 19.4
Manganese ppm ASTM D5185m 5 <1	58 0 934 1047 997 1228 3353 history2 6 2 3 <1.0 history2 0.4 8.3 19.4 history2
Manganese ppm ASTM D5185m 5 <1	58 0 934 1047 997 1228 3353 history2 6 2 3 <1.0 history2 0.4 8.3 19.4 history2 15.1



OIL ANALYSIS REPORT



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