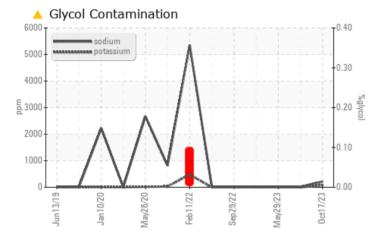


COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	NORMAL	SEVERE		
Sodium	ppm	ASTM D5185m		<u> </u>	4	8		
Potassium	ppm	ASTM D5185m	>20	<u> </u>	0	<1		

Customer Id: GFL865 Sample No.: GFL0093302 Lab Number: 05986028 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</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



09 Aug 2023 Diag: Don Baldridge

Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. 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 acceptable for the time in service.



view report

29 May 2023 Diag: Wes Davis



We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

20 Mar 2023 Diag: Don Baldridge



We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.







OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL



726044-310073 Component

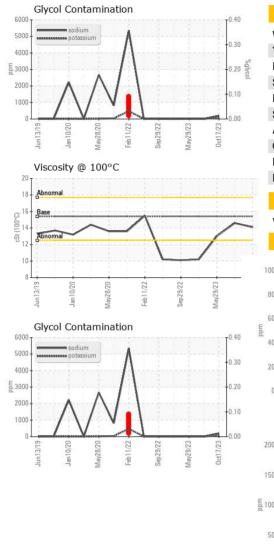
Diesel Engine

Machine Id

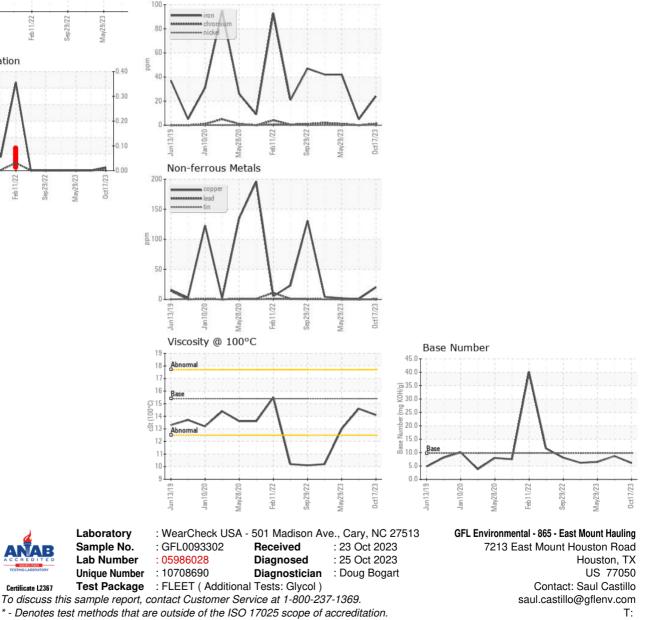
AGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
commendation	Sample Number		Client Info		GFL0093302	GFL0083450	GFL0083429
d filter change at the time of sampling has	Sample Date		Client Info		17 Oct 2023	09 Aug 2023	29 May 2023
noted. Resample at the next service interval	Machine Age	mls	Client Info		187857	17736	17141
nitor.	Oil Age	mls	Client Info		187857	17736	17141
	Oil Changed		Client Info		Changed	Not Changd	Changed
mponent wear rates are normal.	Sample Status				ABNORMAL	NORMAL	SEVERE
ntamination m and/or potassium levels are high. Test for	CONTAMINAT	ION	method	limit/base	current	history1	history2
is negative.	Fuel		WC Method	>5	<1.0	0.9	9.0
id Condition N level is low. The condition of the oil is	WEAR METAL	S	method	limit/base	current	history1	history2
table for the time in service.	Iron	ppm	ASTM D5185m	>80	24	5	42
	Chromium	ppm	ASTM D5185m	>5	1	0	1
	Nickel	ppm	ASTM D5185m	>2	<1	0	<1
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m	>3	<1	0	0
	Aluminum	ppm	ASTM D5185m	>30	2	0	2
	Lead	ppm	ASTM D5185m	>30	<1	0	0
	Copper	ppm	ASTM D5185m	>150	20	<1	2
	Tin	ppm	ASTM D5185m	>5	1	0	<1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	Cadmium	ppm	ASTM D5185m		<1	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	4	20	0
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	61	55	54
	Manganese	ppm	ASTM D5185m	0	3	<1	<1
	Magnesium	ppm	ASTM D5185m	1010	709	796	876
	Calcium	ppm	ASTM D5185m	1070	1152	1326	1005
	Phosphorus	ppm	ASTM D5185m	1150	643	897	878
	Zinc	ppm	ASTM D5185m	1270	975	1070	1116
	Sulfur	ppm	ASTM D5185m	2060	2206	3247	3138
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>20	11	3	6
	Sodium	ppm	ASTM D5185m		<u> </u>	4	8
	Potassium	ppm	ASTM D5185m	>20	<u> </u>	0	<1
	Glycol	%	*ASTM D2982		NEG	NEG	NEG
	INFRA-RED		method	limit/base		history1	history2
	Soot %	%	*ASTM D7844		0.6	0.2	0.8
	Nitration	Abs/cm	*ASTM D7624		11.1	6.1	13.6
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.6	18.1	23.6
	FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
	FLUID DEGRA		method *ASTM D7414		current 20.0	history1 14.5	history2 24.4



OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.1	14.6	13.0
GRAPHS						
Ferrous Alloys						



* - 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)

Certificate L2367

Submitted By: TECHNICIAN ACCOUNT

F: