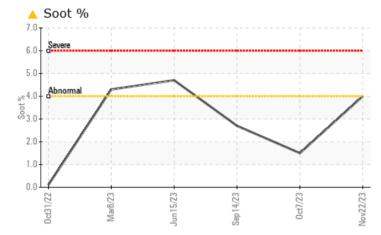


COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done.

PROBLEMATIC TEST RESULTS						
Sample Status				ABNORMAL	NORMAL	NORMAL
Soot %	%	*ASTM D7844	>4	<u> </u>	1.5	2.7

Customer Id: GFL891 Sample No.: GFL0093556 Lab Number: 06016126 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

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

RECOMMEND	ED ACTIONS			
Action	Status	Date	Done By	Descri
Change Fluid			?	We rec already

ription

commend that you drain the oil from the component if this has not ly been done.

HISTORICAL DIAGNOSIS



Resample at the next service interval to monitor.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.



view report

14 Sep 2023 Diag: Wes Davis

07 Oct 2023 Diag: Wes Davis



Resample at the next service interval to monitor.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.



15 Jun 2023 Diag: Don Baldridge

We advise that you check for faulty combustion, plugged air filters, or aftercoolers. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. NOTE: High solids (carbon/soot) in the sample have limited the accuracy of Infra-Red data including Total Base Number (TBN) value.All component wear rates are normal. There is an abnormal amount of solids and carbon present in the oil. The BN level is low.







OIL ANALYSIS REPORT

Sample Rating Trend

SOOT



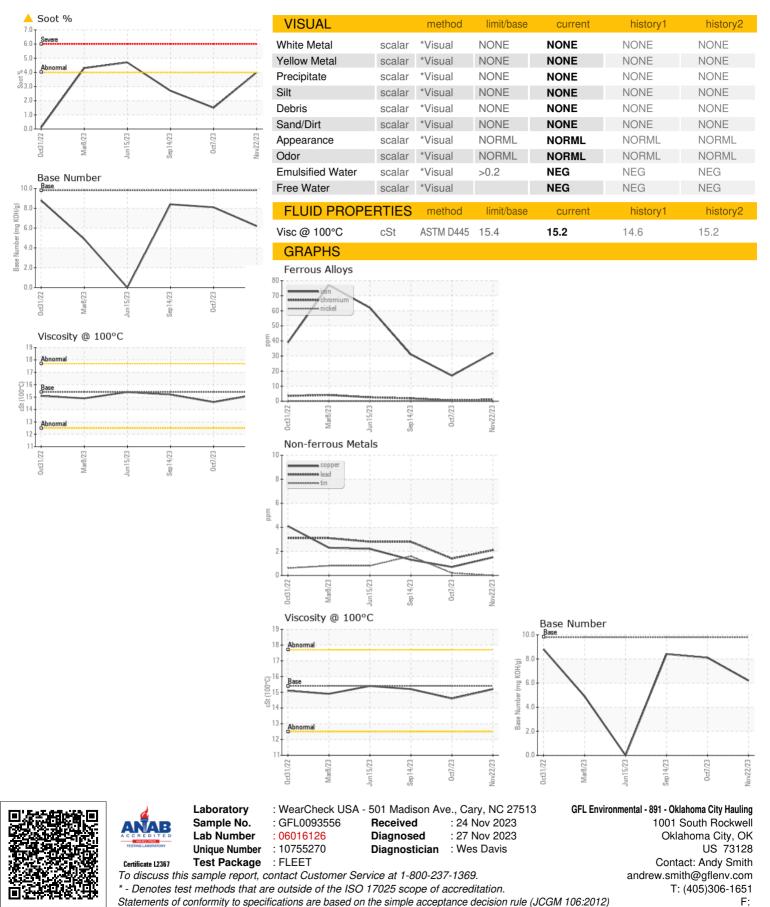
423031-402164 Component

Diesel Engine

AGNOSIS	SAMPLE INFOR		method	limit/base	current	history1	history2
				iiiiii/base			
ecommendation	Sample Number		Client Info		GFL0093556	GFL0077239	GFL0093525
ecommend that you drain the oil from the ponent if this has not already been done.	Sample Date	la un	Client Info		22 Nov 2023	07 Oct 2023	14 Sep 2023
	Machine Age	hrs	Client Info		44646	44329	44158
r	Oil Age	hrs	Client Info		458 Not Observed	141 Net Changed	272 Characad
omponent wear rates are normal.	Oil Changed		Client Info		Not Changd	Not Changd	Changed
ontamination	Sample Status				ABNORMAL	NORMAL	NORMAL
concentration of carbon/soot present in the oil.	CONTAMINAT	ION	method	limit/base	current	history1	history2
I Condition	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
BN result indicates that there is suitable inity remaining in the oil. The oil is no longer	Water		WC Method		NEG	NEG	NEG
ceable due to the presence of contaminants.	Glycol		WC Method		NEG	NEG	NEG
	WEAR METAL	S	method	limit/base	current	history1	history2
	Iron		ASTM D5185m		32	17	31
	Chromium	ppm	ASTM D5185m		1	<1	2
	Nickel	ppm	ASTM D5185m		0	0	<1
	Titanium	ppm ppm	ASTM D5185m		۰ <1	<1	2
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		2	0	2
	Lead	ppm	ASTM D5185m		2	1	3
	Copper	ppm	ASTM D5185m		2	<1	1
	Tin	ppm	ASTM D5185m		0	<1	2
	Vanadium	ppm	ASTM D5185m	>15	۰ <1	0	0
	Cadmium	ppm	ASTM D5185m		0	0	<1
	ADDITIVES	ppm	method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		0	<1	2
	Barium	ppm	ASTM D5185m		0	<1	44
	Molybdenum	ppm	ASTM D5185m		58	62	56 1
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium Calcium	ppm	ASTM D5185m		985 1054	885 1026	883 967
		ppm	ASTM D5185m				
	Phosphorus Zinc	ppm	ASTM D5185m		925 1286	1001 1207	913 1133
	Sulfur	ppm ppm	ASTM D5185m ASTM D5185m		1286 2980	3279	3144
							-
	CONTAMINAN		method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	8	9	9
	Sodium	ppm	ASTM D5185m		<1	0	2
	Potassium	ppm	ASTM D5185m	>20	1	2	3
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	<u> </u>	1.5	2.7
	Nitration	Abs/cm	*ASTM D7624	>20	10.1	5.8	8.7
	Sulfation	Abs/.1mm	*ASTM D7415	>30	26.0	18.9	21.9
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
						10.0	10.0
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	12.2	12.8



OIL ANALYSIS REPORT



Contact/Location: Andy Smith - GFL891