

Sample Rating Trend

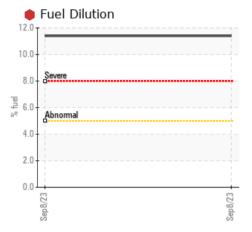


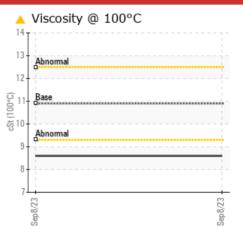




Machine Id Component **Diesel Engine DIESEL ENGINE OIL SAE 5W30 (--- GAL)**

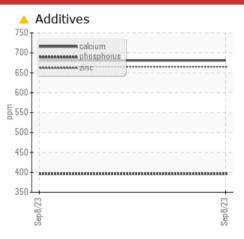
COMPONENT CONDITION SUMMARY





cSt

Visc @ 100°C



RECOMMENDATION

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. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

PROBLEMATIC TEST RESULTS Sample Status SEVERE Boron ASTM D5185m 250 24 ppm Calcium ppm ASTM D5185m 3000 681 Phosphorus ppm ASTM D5185m 1150 396 Zinc ppm ASTM D5185m 1350 **665** Sulfur ASTM D5185m 4250 **1890** ppm Fuel % ASTM D3524 >5 11.4

8.6

ASTM D445 10.9

Customer Id: EAICLA Sample No.: WC0865155 Lab Number: 05979317 Test Package: CONST



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

RECOMMENDED A	COMMENDED ACTIONS						
Action	Status	Date	Done By	Description			
Resample			?	We recommend an early resample to monitor this condition.			
Information Required			?	Please specify the brand, type, and viscosity of the oil on your next sample. Please specify the component make and model with your next sample.			
Check Fuel/injector System			?	We advise that you check the fuel injection system.			

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

FUEL

Machine Id **T-731** Component **Diesel Engine** Fluid **DIESEL ENGINE OIL SAE 5W30 (--- GAL)**

DIAGNOSIS

Recommendation

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. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

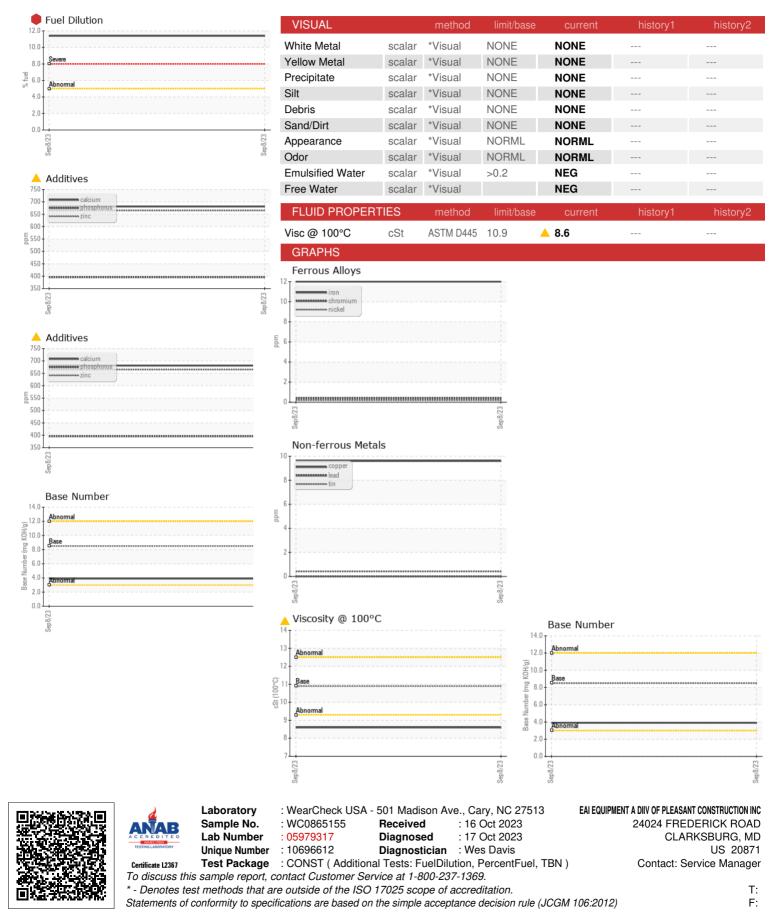
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining 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.

				Sep2023		
SAMPLE INFORM	JATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0865155		
Sample Date		Client Info		08 Sep 2023		
Machine Age	mls	Client Info		154128		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				SEVERE		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	12		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	3		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	10		
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	<u> </u>		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	78		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m	450	567		
Calcium	ppm	ASTM D5185m	3000	<u> </u>		
Phosphorus	ppm	ASTM D5185m	1150	▲ 396		
Zinc	ppm	ASTM D5185m	1350	▲ 665		
Sulfur	ppm	ASTM D5185m	4250	▲ 1890		
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	13		
Sodium	ppm	ASTM D5185m	-	2		
Potassium	ppm	ASTM D5185m	>20	1		
Fuel	%	ASTM D3524		• 11.4		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	14.7		
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.8		
Sunation						
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	ATION Abs/.1mm	method *ASTM D7414		current 23.8	history1	history2



OIL ANALYSIS REPORT



Contact/Location: Service Manager - EAICLA