



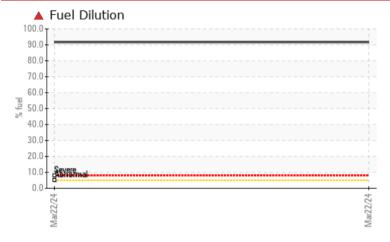
PROBLEM SUMMARY

Machine Id

SZLG730083

Diesel Engine Fluid CHEVRON 15W40 (--- QTS)

COMPONENT CONDITION SUMMARY



🔺 Viscosity @ 100°C



FUEL

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.

PROBLEMATIC TEST RESULTS									
Sample Status				SEVERE					
Fuel	%	ASTM D3524	>5	4 91.7					
Visc @ 100°C	cSt	ASTM D445	14.4	12.4					

Customer Id: DOLGUL Sample No.: WC0905084 Lab Number: 06137968 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

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Resample			?	We recommend an early resample to monitor this condition.			
Information Required			?	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



Machine Id SZLG730083 Component Diesel Engine Fluid

CHEVRON 15W40 (--- QTS)

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.

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.

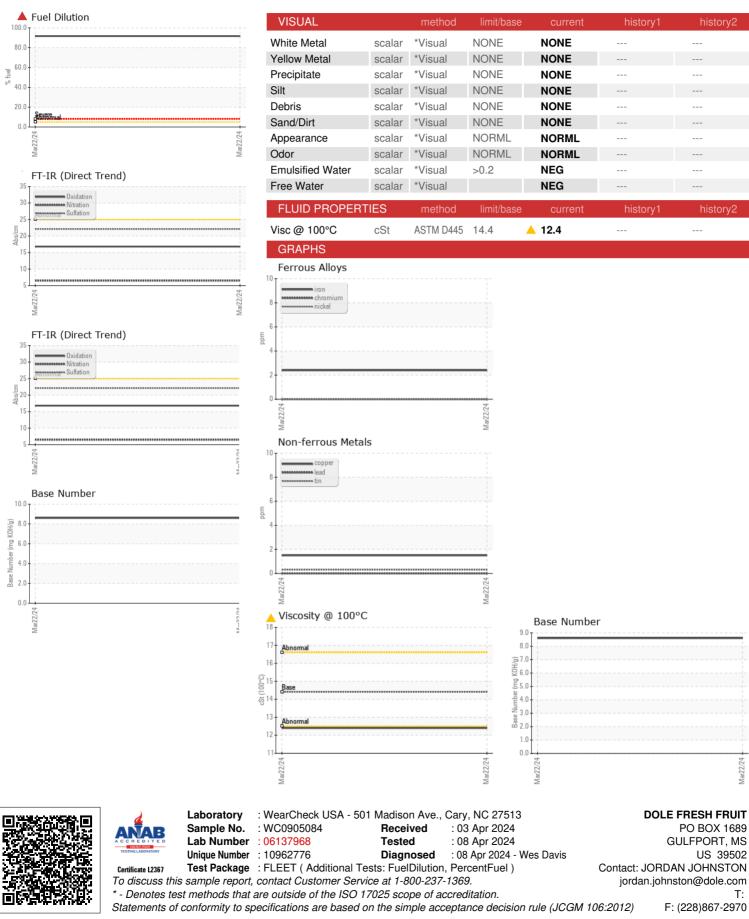
Fluid Condition

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.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0905084		
Sample Date		Client Info		22 Mar 2024		
Machine Age	hrs	Client Info		4784		
Oil Age	hrs	Client Info		1500		
Oil Changed		Client Info		Changed		
Sample Status				SEVERE		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	2		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	4		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	2		
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		331		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		133		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		624		
Calcium	ppm	ASTM D5185m		1470		
Phosphorus	ppm	ASTM D5185m		747		
Zinc	ppm	ASTM D5185m		865		
Sulfur	ppm	ASTM D5185m		2821		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m	>50	1		
Potassium	ppm	ASTM D5185m	>20	0		
Fuel	%	ASTM D3524	>5	4 91.7		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	6.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.8		
Base Number (BN)	mg KOH/g	ASTM D2896		8.6		



OIL ANALYSIS REPORT



Report Id: DOLGUL [WUSCAR] 06137968 (Generated: 04/08/2024 10:44:22) Rev: 1

Contact/Location: JORDAN JOHNSTON - DOLGUL