

RECOMMENDATION

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

PROBLEMAT	IC TES	T RESULT	S		
Sample Status				SEVERE	
Fuel	%	ASTM D3524	>3.0	6.9	
Visc @ 100°C	cSt	ASTM D445	15.4	🔺 11.8	

Customer Id: GFL097 Sample No.: GFL0098800 Lab Number: 06002593 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			
Change Fluid			?	We recommend that you drain the oil from the component if this has not already been done.			
Resample			?	We recommend an early resample to monitor this condition.			
Check Fuel/injector System			?	We advise that you check the fuel injection system.			

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend





Area (H917016) Machine Id 912107 Component Diesel Engine

PETRO CANADA DURON SHP 15W40 (11 GAL)

	,			Nov2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0098800		
Sample Date		Client Info		01 Nov 2023		
Machine Age	hrs	Client Info		4753		
Oil Age	hrs	Client Info		121		
Oil Changed		Client Info		Not Changd		
Sample Status				SEVERE		
CONTAMINA	TION	method	limit/base	current	history1	history2
Glycol		WC Method		NEG		
WEAR META	LS	method	limit/base	current	history1	history
Iron	ppm	ASTM D5185m	>120	8		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m	>20	3		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	4		
Tin	ppm		>15	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history
Boron	ppm	ASTM D5185m	0	7		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	71		
Manganese	ppm	ASTM D5185m	0	0		
Magnesium	ppm	ASTM D5185m	1010	820		
Calcium	ppm	ASTM D5185m	1070	995		
Phosphorus	ppm	ASTM D5185m	1150	921		
Zinc	ppm	ASTM D5185m	1270	1112		
Sulfur	ppm	ASTM D5185m	2060	3020		
CONTAMINA	NTS	method	limit/base	current	history1	history
Silicon	ppm	ASTM D5185m	>25	11		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	2		
Fuel	%	ASTM D3524	>3.0	6.9		
INFRA-RED		method	limit/base	current	history1	history
Soot %	%	*ASTM D7844	>4	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	6.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.3		
FLUID DEGRA	DATION	method	limit/base	current	history1	history
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0		

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

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.

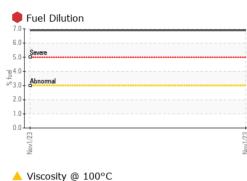
Fluid Condition

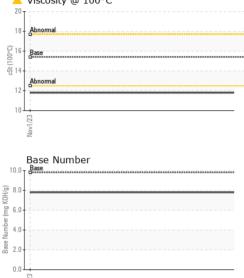
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

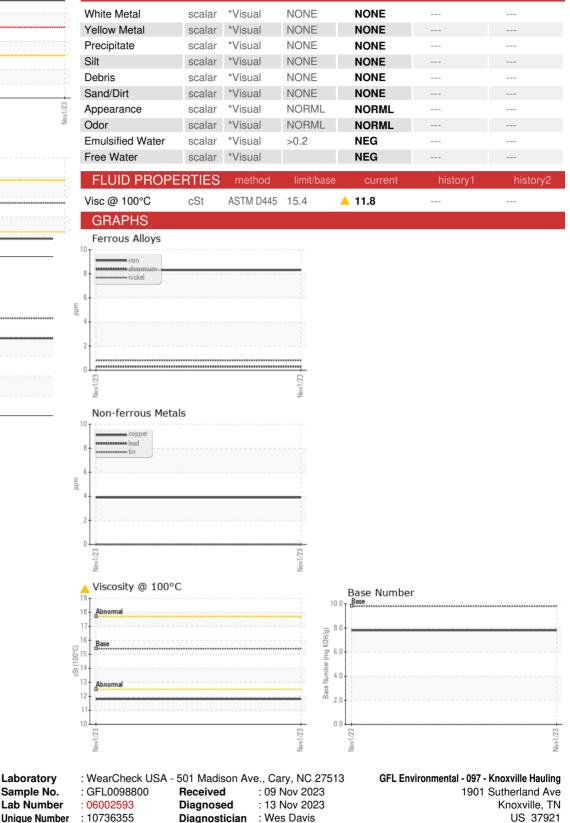


OIL ANALYSIS REPORT

VISUAL









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Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. * - 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)

Laboratory

Sample No.

Lab Number

Contact: Doug Weeden

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T:

F: