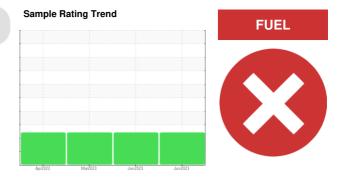


# **PROBLEM SUMMARY**

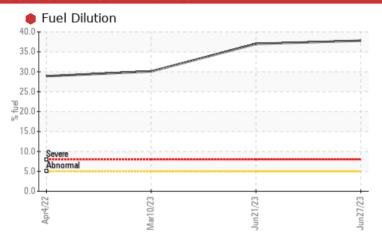
727020-1168

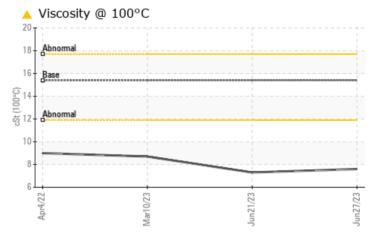
Component **Diesel Engine** 

PETRO CANADA DURON SHP 15W40 (--- GAL)



## **COMPONENT CONDITION SUMMARY**





## RECOMMENDATION

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. (Customer Sample Comment: Sampled

PROBLEMATI	LEMATIC TEST RESULTS						
Sample Status				SEVERE	SEVERE	SEVERE	
Fuel	%	ASTM D3524	>5	<b>37.8</b>	● 37.0	• 30.1	
Visc @ 100°C	cSt	ASTM D445	15.4	<b>7.6</b>	<b>△</b> 7.3	<b>▲</b> 8.7	

Customer Id: GFL622 Sample No.: GFL0083957 Lab Number: 05888193 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

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 and perform a filter service on this component if not already done.		
Change Filter			?	We recommend that you drain the oil and perform a filter service on this component if not already 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

### 21 Jun 2023 Diag: Don Baldridge



We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. Metal levels are typical for a new component breaking in. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. 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.



### 10 Mar 2023 Diag: Jonathan Hester





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. Metal levels are typical for a new component breaking in. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. 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.



#### 04 Apr 2022 Diag: Doug Bogart

#### FUEL



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. Metal levels are typical for a new component breaking in. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.





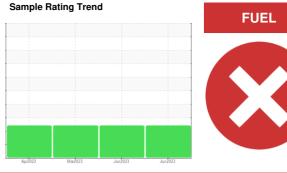
# **OIL ANALYSIS REPORT**

Machine Id **727020-1168** 

Component

**Diesel Engine** 

PETRO CANADA DURON SHP 15W40 (--- GAL)



## **DIAGNOSIS**

### Recommendation

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. (Customer Sample Comment: Sampled

### Wear

All component wear rates are normal.

### Contamination

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

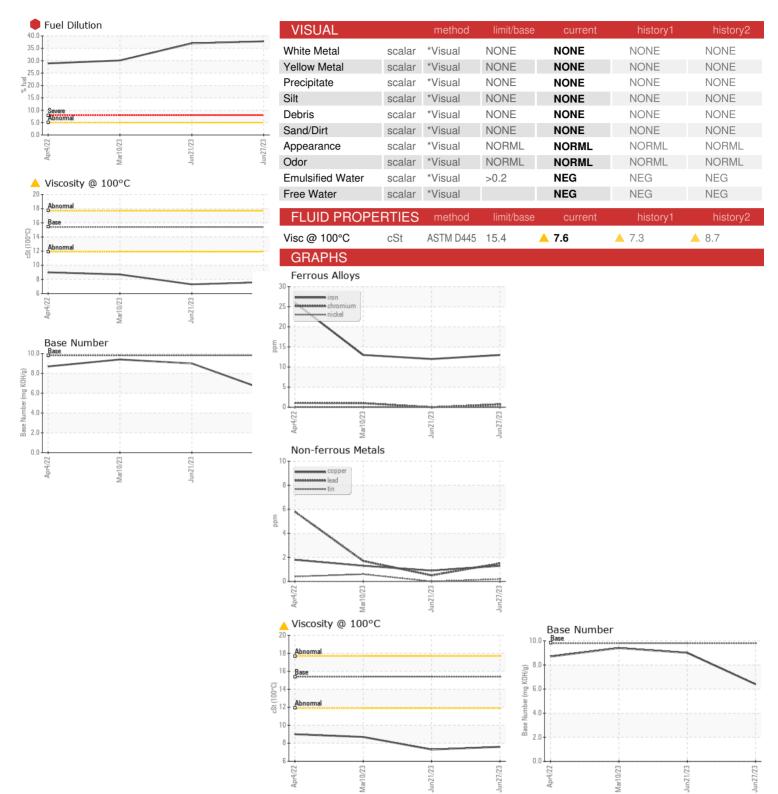
### ▲ Fluid Condition

Fuel is present in the oil and is lowering the viscosity. 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.

SAMPLE INFORMATION         method         limit/base         current         history1         history2           Sample Number         Client Info         GFL0083957         GFL0083930         GFL0071392           Sample Date         Client Info         148671         148621         148621         148621         148621         148621         146821         14694         00         1         1         1         1         0         0         0         0         0         0         0         0         0         0         0         1         1         1         1         1	AAL)		Apr202	2 Mar2023	Jun2023 Ju	un2023	
Sample Date         Client Info         27 Jun 2023         21 Jun 2023         10 Mar 2023           Machine Age         mls         Client Info         148671         148621         14694           Oil Age         mls         Client Info         0         0         0         0           Oil Changed         Client Info         Not Changd         Not Changd         Not Changd         Changed           Sample Status         Client Info         NEG         NEG         NEG         NEG           CONTAMINATION         method         limil/base         current         history1         history2           Image: Contract Info         NEG         NEG         NEG         NEG           WEAR METALS         method         limil/base         current         history1         history2           Iron         ppm         ASTM D5185m         >20         <1         0         1           Iron         ppm         ASTM D5185m         >20         <1         0         1           Iron         ppm         ASTM D5185m         >3         0         0         0           Iron         ppm         ASTM D5185m         >40         2         <1         <	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Date         Client Info         27 Jun 2023         21 Jun 2023         10 Mar 2023           Machine Age         mls         Client Info         148671         148621         14694           Oil Age         mls         Client Info         0         0         0         0           Oil Changed         Client Info         Not Changd         Not Changd         Not Changd         Changed           Sample Status         Client Info         NEG         NEG         NEG         NEG           CONTAMINATION         method         limil/base         current         history1         history2           Image: Contract Info         NEG         NEG         NEG         NEG           WEAR METALS         method         limil/base         current         history1         history2           Iron         ppm         ASTM D5185m         >20         <1	Sample Number		Client Info		GFL0083957	GFL0083930	GFL0071392
Machine Age         mls         Client Info         148671         148621         14694           Oil Age         mls         Client Info         0         0         0         0           Oil Changed         Client Info         Not Changd         Not Changd         Changed         SEVERE         SEVERE         SEVERE           CONTAMINATION         method         limit/base         current         history1         history2           Glycol         WC Method         NEG         NEG         NEG         NEG           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >100         13         12         13           Chromium         ppm         ASTM D5185m         >20         <1         0         1           Iron         ppm         ASTM D5185m         >20         <1         0         0           Islory         ppm         ASTM D5185m         >3         0         0         0           Islory         ppm         ASTM D5185m         >40         2         <1         2           Copper         ppm         ASTM D5185m         0			Client Info		27 Jun 2023	21 Jun 2023	10 Mar 2023
Oil Age         mls         Client Info         Not Changd Not Changd Sample Status         Client Info         Not Changd SEVERE         SEVERE	•	mls					14694
Client Info		mls	Client Info		0	0	0
SEVERE   SEVERE   SEVERE   SEVERE   CONTAMINATION   method   limit/base   current   history1   history2	-				-	Not Changd	Changed
WEAR METALS						Ü	Ü
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >100         13         12         13           Chromium         ppm         ASTM D5185m         >20         <1	CONTAMINAT	ION	method	limit/base	current	history1	history2
Iron	Glycol		WC Method		NEG	NEG	NEG
Chromium         ppm         ASTM D5185m         >20         <1         0         1           Nickel         ppm         ASTM D5185m         >4         0         0         0           Titanium         ppm         ASTM D5185m         >3         0         0         <1	WEAR METAL	.S	method	limit/base	current	history1	history2
Chromium         ppm         ASTM D5185m         >20         <1         0         1           Nickel         ppm         ASTM D5185m         >4         0         0         0           Titanium         ppm         ASTM D5185m         >0         0         <1           Silver         ppm         ASTM D5185m         >20         0         3         2           Lead         ppm         ASTM D5185m         >40         2         <1         2           Copper         ppm         ASTM D5185m         >40         2         <1         2           Copper         ppm         ASTM D5185m         >330         1         <1         1           Tin         ppm         ASTM D5185m         0         0         <1         <1           Vanadium         ppm         ASTM D5185m         0         0         <1         <1           Cadmium         ppm         ASTM D5185m         0         0         0         <1         <1           Boron         ppm         ASTM D5185m         0         8         7         48            Barium         ppm         ASTM D5185m         0         0         4	Iron	ppm	ASTM D5185m	>100	13	12	13
Nickel	Chromium		ASTM D5185m	>20	<1	0	1
Titanium         ppm         ASTM D5185m         0         0         <1           Silver         ppm         ASTM D5185m         >3         0         0         0           Aluminum         ppm         ASTM D5185m         >20         0         3         2           Lead         ppm         ASTM D5185m         >40         2         <1	Nickel		ASTM D5185m	>4	0	0	0
Silver	Titanium		ASTM D5185m		0	0	<1
Aluminum         ppm         ASTM D5185m         >20         0         3         2           Lead         ppm         ASTM D5185m         >40         2         <1         2           Copper         ppm         ASTM D5185m         >330         1         <1         1           Tin         ppm         ASTM D5185m         >15         <1         0         <1           Vanadium         ppm         ASTM D5185m         0         0         0         <1           Cadmium         ppm         ASTM D5185m         0         0         0         <1           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         4         0           Molybdenum         ppm         ASTM D5185m         0         0         4         0           Molybdenum         ppm         ASTM D5185m         0         <1         0         1           Magnesium         ppm         ASTM D5185m         1010         562         531         756           Calcium         ppm         ASTM D5185m         1070         689         630<	Silver		ASTM D5185m	>3		0	0
Lead         ppm         ASTM D5185m         >40         2         <1         2           Copper         ppm         ASTM D5185m         >330         1         <1         1           Tin         ppm         ASTM D5185m         >15         <1         0         <1           Vanadium         ppm         ASTM D5185m         0         0         0         <1           Cadmium         ppm         ASTM D5185m         0         0         0         <1           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         8         7         48           Barium         ppm         ASTM D5185m         0         0         4         0           Molybdenum         ppm         ASTM D5185m         0         0         4         0           Magnesium         ppm         ASTM D5185m         1010         562         531         756           Calcium         ppm         ASTM D5185m         1010         562         531         756           Calcium         ppm         ASTM D5185m         1270         773         72							
Copper         ppm         ASTM D5185m         >330         1         <1         1           Tin         ppm         ASTM D5185m         >15         <1					-		
Tin ppm ASTM D5185m >15 <1 0 <1 Vanadium ppm ASTM D5185m 0 0 0 <1 Cadmium ppm ASTM D5185m 0 0 0 0  ADDITIVES method limit/base current history1 history2  Boron ppm ASTM D5185m 0 0 4 0  Molybdenum ppm ASTM D5185m 0 0 4 0  Molybdenum ppm ASTM D5185m 0 0 1 0 1  Magnesium ppm ASTM D5185m 0 0 1 0 1  Magnesium ppm ASTM D5185m 10 0 1 1  Magnesium ppm ASTM D5185m 10 0 562 531 756  Calcium ppm ASTM D5185m 1070 689 630 624  Phosphorus ppm ASTM D5185m 1070 689 630 624  Phosphorus ppm ASTM D5185m 1150 631 583 672  Zinc ppm ASTM D5185m 1270 773 726 862  Sulfur ppm ASTM D5185m 2060 1991 2079 2437  CONTAMINANTS method limit/base current history1 history2  Silicon ppm ASTM D5185m >25 5 4 9  Sodium ppm ASTM D5185m >20 <1 1 1 3  Potassium ppm ASTM D5185m >20 <1 1 1 3  Potassium ppm ASTM D5185m >20 <1 1 1 3  Pituel % ASTM D5185m >20 <1 <1 1 1 3  NFRA-RED method limit/base current history1 history2  Soot % % "ASTM D7844 >3 0.1 0.7 0.5  Nitration Abs/m "ASTM D7815 >30 21.6 20.4 20.6  FLUID DEGRADATION method limit/base current history1 history2  Oxidation Abs/mm "ASTM D7415 >30 21.6 20.3 20.6							
Vanadium         ppm         ASTM D5185m         0         0         <1           Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         8         7         48           Barium         ppm         ASTM D5185m         0         0         4         0           Molybdenum         ppm         ASTM D5185m         0         0         4         0           Manganese         ppm         ASTM D5185m         0         <1         0         1           Magnesium         ppm         ASTM D5185m         1010         562         531         756           Calcium         ppm         ASTM D5185m         1070         689         630         624           Phosphorus         ppm         ASTM D5185m         1270         773         726         862           Sulfur         ppm         ASTM D5185m         1270         773         726         862           Sulfur         ppm         ASTM D5185m         2060         1991         2079 <th< td=""><td>• •</td><td></td><td></td><td></td><th></th><td></td><td></td></th<>	• •						
Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         8         7         48           Barium         ppm         ASTM D5185m         0         0         4         0           Molybdenum         ppm         ASTM D5185m         0         0         4         0           Manganese         ppm         ASTM D5185m         0         <1         0         1           Magnesium         ppm         ASTM D5185m         1010         562         531         756           Calcium         ppm         ASTM D5185m         1070         689         630         624           Phosphorus         ppm         ASTM D5185m         1150         631         583         672           Zinc         ppm         ASTM D5185m         1270         773         726         862           Sulfur         ppm         ASTM D5185m         2060         1991         2079         2437           CONTAMINANTS         method         limit/base         current         histor				>10			
ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         8         7         48           Barium         ppm         ASTM D5185m         0         0         4         0           Molybdenum         ppm         ASTM D5185m         0         -1         0         1           Magnesium         ppm         ASTM D5185m         1010         562         531         756           Calcium         ppm         ASTM D5185m         1070         689         630         624           Phosphorus         ppm         ASTM D5185m         1150         631         583         672           Zinc         ppm         ASTM D5185m         1270         773         726         862           Sulfur         ppm         ASTM D5185m         2060         1991         2079         2437           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         <1							
Boron         ppm         ASTM D5185m         0         8         7         48           Barium         ppm         ASTM D5185m         0         0         4         0           Molybdenum         ppm         ASTM D5185m         60         38         36         48           Manganese         ppm         ASTM D5185m         1010         562         531         756           Calcium         ppm         ASTM D5185m         1070         689         630         624           Phosphorus         ppm         ASTM D5185m         1150         631         583         672           Zinc         ppm         ASTM D5185m         1270         773         726         862           Sulfur         ppm         ASTM D5185m         2060         1991         2079         2437           CONTAMINANTS         method         limit/base         current         history1         history2           Solium         ppm         ASTM D5185m         >25         5         4         9           Sodium         ppm         ASTM D5185m         >20         <1		рріп					
Barium         ppm         ASTM D5185m         0         0         4         0           Molybdenum         ppm         ASTM D5185m         60         38         36         48           Manganese         ppm         ASTM D5185m         0         <1         0         1           Magnesium         ppm         ASTM D5185m         1010         562         531         756           Calcium         ppm         ASTM D5185m         1070         689         630         624           Phosphorus         ppm         ASTM D5185m         1150         631         583         672           Zinc         ppm         ASTM D5185m         1270         773         726         862           Sulfur         ppm         ASTM D5185m         2060         1991         2079         2437           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         5         4         9           Sodium         ppm         ASTM D5185m         >20         <1         <1         1         3           Potassium         ppm         AS	ADDITIVES		method				
Molybdenum         ppm         ASTM D5185m         60         38         36         48           Manganese         ppm         ASTM D5185m         0         <1         0         1           Magnesium         ppm         ASTM D5185m         1010         562         531         756           Calcium         ppm         ASTM D5185m         1070         689         630         624           Phosphorus         ppm         ASTM D5185m         1150         631         583         672           Zinc         ppm         ASTM D5185m         1270         773         726         862           Sulfur         ppm         ASTM D5185m         2060         1991         2079         2437           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         5         4         9           Sodium         ppm         ASTM D5185m         >20         <1         1         3           Potassium         ppm         ASTM D5185m         >20         <1         <1         1           Fuel         %         ASTM D5185m         >20 </td <td></td> <td></td> <td></td> <td></td> <th></th> <td></td> <td></td>							
Manganese         ppm         ASTM D5185m         0         <1         0         1           Magnesium         ppm         ASTM D5185m         1010         562         531         756           Calcium         ppm         ASTM D5185m         1070         689         630         624           Phosphorus         ppm         ASTM D5185m         1150         631         583         672           Zinc         ppm         ASTM D5185m         1270         773         726         862           Sulfur         ppm         ASTM D5185m         2060         1991         2079         2437           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         5         4         9           Sodium         ppm         ASTM D5185m         >20         <1         1         3           Potassium         ppm         ASTM D5185m         >20         <1         1         1           Fuel         %         ASTM D3524         >5         37.8         37.0         30.1           INFRA-RED         method         limit/base		ppm			_		
Magnesium         ppm         ASTM D5185m         1010         562         531         756           Calcium         ppm         ASTM D5185m         1070         689         630         624           Phosphorus         ppm         ASTM D5185m         1150         631         583         672           Zinc         ppm         ASTM D5185m         1270         773         726         862           Sulfur         ppm         ASTM D5185m         2060         1991         2079         2437           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         5         4         9           Sodium         ppm         ASTM D5185m         >20         <1         1         3           Potassium         ppm         ASTM D5185m         >20         <1         <1         1           Fuel         %         ASTM D5185m         >20         <1         <1         1           INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7624         >20	Molybdenum	ppm		60	38	36	48
Calcium         ppm         ASTM D5185m         1070         689         630         624           Phosphorus         ppm         ASTM D5185m         1150         631         583         672           Zinc         ppm         ASTM D5185m         1270         773         726         862           Sulfur         ppm         ASTM D5185m         2060         1991         2079         2437           CONTAMINANTS         method         limit/base         current         history1         history2           Solicon         ppm         ASTM D5185m         >25         5         4         9           Sodium         ppm         ASTM D5185m         >20         <1	Manganese	ppm	ASTM D5185m	0	<1	0	1
Phosphorus         ppm         ASTM D5185m         1150         631         583         672           Zinc         ppm         ASTM D5185m         1270         773         726         862           Sulfur         ppm         ASTM D5185m         2060         1991         2079         2437           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         5         4         9           Sodium         ppm         ASTM D5185m         >20         <1	Magnesium	ppm	ASTM D5185m	1010	562	531	756
Zinc         ppm         ASTM D5185m         1270         773         726         862           Sulfur         ppm         ASTM D5185m         2060         1991         2079         2437           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         5         4         9           Sodium         ppm         ASTM D5185m         >20         <1         1         3           Potassium         ppm         ASTM D5185m         >20         <1         <1         1           Fuel         %         ASTM D3524         >5         37.8         37.0         30.1           INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >3         0.1         0.7         0.5           Nitration         Abs/cm         *ASTM D7624         >20         8.8         11.4         11.6           Sulfation         Abs/.1mm         *ASTM D7415         >30         21.6         20.4         20.6           FLUID DEGRADATION         *ASTM D7414	Calcium	ppm	ASTM D5185m	1070	689	630	624
Sulfur         ppm         ASTM D5185m         2060         1991         2079         2437           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         5         4         9           Sodium         ppm         ASTM D5185m         <1	Phosphorus	ppm	ASTM D5185m	1150	631	583	672
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         5         4         9           Sodium         ppm         ASTM D5185m         <1	Zinc	ppm	ASTM D5185m	1270	773	726	862
Silicon         ppm         ASTM D5185m         >25         5         4         9           Sodium         ppm         ASTM D5185m         <1         1         3           Potassium         ppm         ASTM D5185m         >20         <1         <1         1           Fuel         %         ASTM D3524         >5         37.8         37.0         30.1           INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >3         0.1         0.7         0.5           Nitration         Abs/cm         *ASTM D7624         >20         8.8         11.4         11.6           Sulfation         Abs/.1mm         *ASTM D7415         >30         21.6         20.4         20.6           FLUID DEGRADATION method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         12.3         20.3         20.6	Sulfur	ppm	ASTM D5185m	2060	1991	2079	2437
Sodium         ppm         ASTM D5185m         <1         1         3           Potassium         ppm         ASTM D5185m         >20         <1	CONTAMINAN	ITS	method	limit/base	current	history1	history2
Potassium         ppm         ASTM D5185m         >20         <1         <1         1           Fuel         %         ASTM D3524         >5         37.8         37.0         30.1           INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >3         0.1         0.7         0.5           Nitration         Abs/cm         *ASTM D7624         >20         8.8         11.4         11.6           Sulfation         Abs/.1mm         *ASTM D7415         >30         21.6         20.4         20.6           FLUID DEGRADATION method limit/base current history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         12.3         20.3         20.6	Silicon	ppm	ASTM D5185m	>25	5	4	9
Fuel         %         ASTM D3524         >5         37.8         37.0         30.1           INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >3         0.1         0.7         0.5           Nitration         Abs/cm         *ASTM D7624         >20         8.8         11.4         11.6           Sulfation         Abs/.1mm         *ASTM D7415         >30         21.6         20.4         20.6           FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         12.3         20.3         20.6	Sodium	ppm	ASTM D5185m		<1	1	3
INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >3         0.1         0.7         0.5           Nitration         Abs/cm         *ASTM D7624         >20         8.8         11.4         11.6           Sulfation         Abs/.1mm         *ASTM D7415         >30         21.6         20.4         20.6           FLUID DEGRADATION method limit/base current history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         12.3         20.3         20.6	Potassium	ppm	ASTM D5185m	>20	<1	<1	1
Soot %         %         *ASTM D7844         >3         0.1         0.7         0.5           Nitration         Abs/cm         *ASTM D7624         >20         8.8         11.4         11.6           Sulfation         Abs/.1mm         *ASTM D7415         >30         21.6         20.4         20.6           FLUID DEGRADATION method limit/base current history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         12.3         20.3         20.6	Fuel	%	ASTM D3524	>5	<b>37.8</b>	<b>37.0</b>	● 30.1
Nitration         Abs/cm         *ASTM D7624         >20         8.8         11.4         11.6           Sulfation         Abs/.1mm         *ASTM D7415         >30         21.6         20.4         20.6           FLUID DEGRADATION method limit/base current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         12.3         20.3         20.6	INFRA-RED		method	limit/base	current	history1	history2
Nitration         Abs/cm         *ASTM D7624         >20         8.8         11.4         11.6           Sulfation         Abs/.1mm         *ASTM D7415         >30         21.6         20.4         20.6           FLUID DEGRADATION method limit/base current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         12.3         20.3         20.6	Soot %	%	*ASTM D7844	>3	0.1	0.7	0.5
Sulfation         Abs/.1mm         *ASTM D7415         >30         21.6         20.4         20.6           FLUID DEGRADATION method limit/base current history1 history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         12.3         20.3         20.6							
Oxidation							
	FLUID DEGRA	OITAC	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	12.3	20.3	20.6
	Base Number (BN)	mg KOH/g			6.4	9.0	9.4



# **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: GFL0083957 : 05888193 : 10538676

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 30 Jun 2023 Diagnosed : 04 Jul 2023

Diagnostician : Don Baldridge

Test Package : FLEET ( Additional Tests: PercentFuel )

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)

GFL Environmental - 622 - Traverse City Hauling

160 Hughes Dr Traverse City, MI US 49686

Contact: GARY BREWER

F:

T: