

# **PROBLEM SUMMARY**

Sample Rating Trend

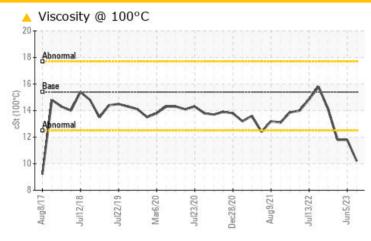
VISCOSITY

Machine Id 10795 Component

**Diesel Engine** 

PETRO CANADA DURON SHP 15W40 (11 GAL)

# **COMPONENT CONDITION SUMMARY**



# RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ATTENTION	NORMAL	SEVERE		
Visc @ 100°C	cSt	ASTM D445	15.4	<b>10.2</b>	11.8	<u>▲</u> 11.8		

Customer Id: GFL095 Sample No.: GFL0092491 Lab Number: 05945365 Test Package: FLEET

To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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			?	Oil and filter change at the time of sampling has been noted.
Change Filter			?	Oil and filter change at the time of sampling has been noted.

# HISTORICAL DIAGNOSIS

05 Jun 2023 Diag: Wes Davis

#### NORMAL



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. 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.



## 26 May 2023 Diag: Wes Davis

#### FUEL



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. All component wear rates are normal. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. 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.

# view report

## 01 May 2023 Diag: Wes Davis

#### NORMAL



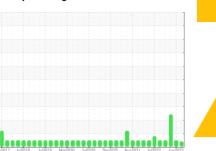
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.





# **OIL ANALYSIS REPORT**

Sample Rating Trend



VISCOSITY



Machine Id 10795 Component

**Diesel Engine** 

PETRO CANADA DURON SHP 15W40 (11 GAL)

# **DIAGNOSIS**

# Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

# Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

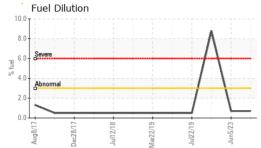
# Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

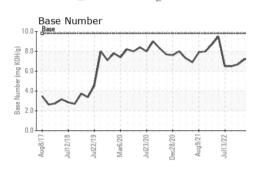
SAMPLE INFORMATION   method   limit/base   current   history1   history2	GAL)  9/2017 Jul2018 Jul2019 Mar2020 Jul2020 Dec2020 Aug/2021 Jul2022 Jun2023							
Sample Date         Client Info         05 Sep 2023         05 Jun 2023         26 May 2023           Machine Age         hrs         Client Info         15707         139966         139966         14617           Oil Changed         hrs         Client Info         570         139966         14617           Oil Changed Sample Status         Client Info         Changed         Not Changed         Changed           CONTAMINATION         method         limit/base         current         history1         history2           Glycol         WC Method         NEG         NEG         NEG           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >75         16         12         59           VEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >75         16         12         59           Chromium         ppm         ASTM D5185m         >2         0         0         0           Iron         ppm         ASTM D5185m         >2         0         0         0	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Machine Age         hrs         Client Info         15707         139966         139966         14617           Oil Changed         Client Info         570         139966         14617           Sample Status         Client Info         Changed         Not Changd         Changed Changed           Sample Status         Image: Control of the Changed Status         Matter Info         Matter Info         Not Month of Changed         Not C	Sample Number		Client Info		GFL0092491	GFL0083622	GFL0083619	
Oil Age         hrs         Client Info         570         139966         14617           Oil Changed Sample Status         Client Info         Changed ATTENTION         Not Changed Not Changed Changed Changed Sample Status         ATTENTION         NorMAL         SEVERE           CONTAMINATION         method         limit/base         current         history2         history2           WEAR METALS         method         limit/base         current         history2         history2           Iron         ppm         ASTM D5185m         >75         16         12         59           Chromium         ppm         ASTM D5185m         >5         <1	Sample Date		Client Info		05 Sep 2023	05 Jun 2023	26 May 2023	
Oil Changed Sample Status         Client Info         Changed ATTENTION         Not Changed Not Changed SEVERE         Changed SEVERE           CONTAMINATION         method         limil/base         current         history1         history2           Glycol         WC Method         NEG         NEG         NEG           WEAR METALS         method         limil/base         current         history1         history2           Iron         ppm         ASTM D5185m         >5         <1         <1         2           Chromium         ppm         ASTM D5185m         >5         <1         <1         2           Nickel         ppm         ASTM D5185m         >5         <1         <1         2           Nickel         ppm         ASTM D5185m         >2         0         <1         0           Silver         ppm         ASTM D5185m         >2         0         0         0           Capper         ppm         ASTM D5185m         >15         3         <1         9           Lead         ppm         ASTM D5185m         >2         <1         0         0           Capper         ppm         ASTM D5185m         >4         <1         <1	Machine Age	hrs	Client Info		15707	139966	139966	
CONTAMINATION         method         limit/base         current         history1         history2           Glycol         WC Method         NEG         NEG         NEG           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >75         16         12         59           Chromium         ppm         ASTM D5185m         >5         <1         <1         2           Nickel         ppm         ASTM D5185m         >4         0         0         0           Silver         ppm         ASTM D5185m         >4         0         0         0           Silver         ppm         ASTM D5185m         >2         0         <1         0           Silver         ppm         ASTM D5185m         >15         3         <1         9           Lead         ppm         ASTM D5185m         >25         <1         0         0           Copper         ppm         ASTM D5185m         >4         <1         <1         <1         <1           Lead         ppm         ASTM D5185m         >4         <1         <1         <1	Oil Age	hrs	Client Info		570	139966	14617	
CONTAMINATION	Oil Changed		Client Info		Changed	Not Changd	Changed	
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >75         16         12         59           Chromium         ppm         ASTM D5185m         >5         <1         <1         2           Nickel         ppm         ASTM D5185m         >4         0         0         0           Titanium         ppm         ASTM D5185m         >2         0         <1         0           Silver         ppm         ASTM D5185m         >2         0         0         0           Aluminum         ppm         ASTM D5185m         >2         0         0         0           Lead         ppm         ASTM D5185m         >15         3         <1         9           Lead         ppm         ASTM D5185m         >100         1         <1         <1         <1           Capper         ppm         ASTM D5185m         >100         1         <1         <1         <0           Capper         ppm         ASTM D5185m         >100         0         0         <0         <0	Sample Status				ATTENTION	NORMAL	SEVERE	
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >75         16         12         59           Chromium         ppm         ASTM D5185m         >5         <1	CONTAMINAT	ION	method	limit/base	current	history1	history2	
Iron	Glycol		WC Method		NEG	NEG	NEG	
Chromium         ppm         ASTM D5185m         >5         <1         <1         2           Nickel         ppm         ASTM D5185m         >4         0         0         0           Titanium         ppm         ASTM D5185m         >2         0         <1         0           Silver         ppm         ASTM D5185m         >2         0         0         0           Aluminum         ppm         ASTM D5185m         >25         <1         0         0           Lead         ppm         ASTM D5185m         >100         1         <1         <1         <1           Copper         ppm         ASTM D5185m         >100         1         <1         <1         <1           Vanadium         ppm         ASTM D5185m         >4         <1         <1         0         0           Cadmium         ppm         ASTM D5185m         0         <1         40         4         4           Boron         ppm         ASTM D5185m         0         <1         40         4         4           Barium         ppm         ASTM D5185m         0         <1         40         4         4           Barium	WEAR METAL	S	method	limit/base	current	history1	history2	
Nickel         ppm         ASTM D5185m         >4         0         0         0           Titanium         ppm         ASTM D5185m         >2         0         <1	Iron	ppm	ASTM D5185m	>75	16	12	59	
Titanium         ppm         ASTM D5185m         >2         0         <1         0           Silver         ppm         ASTM D5185m         >2         0         0         0           Aluminum         ppm         ASTM D5185m         >15         3         <1         9           Lead         ppm         ASTM D5185m         >100         1         <1         <1           Copper         ppm         ASTM D5185m         >100         1         <1         <1         0           Vanadium         ppm         ASTM D5185m         <4         <1         <1         0           Vanadium         ppm         ASTM D5185m         <4         <1         <1         0           Vanadium         ppm         ASTM D5185m         <4         <1         <1         0           Cadmium         ppm         ASTM D5185m         <4         <1         <0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         <1         40         4           Barium         ppm         ASTM D5185m         0         0	Chromium	ppm	ASTM D5185m	>5	<1	<1	2	
Silver         ppm         ASTM D5185m         >2         0         0         0           Aluminum         ppm         ASTM D5185m         >15         3         <1         9           Lead         ppm         ASTM D5185m         >25         <1         0         0           Copper         ppm         ASTM D5185m         >100         1         <1         <1         0           Vanadium         ppm         ASTM D5185m         >4         <1         0         0           Vanadium         ppm         ASTM D5185m         <1         0         0         0           Vanadium         ppm         ASTM D5185m         0         <1         40         4           Cadmium         ppm         ASTM D5185m         0         <1         40         4           Barium         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1 <th< td=""><td>Nickel</td><td>ppm</td><td>ASTM D5185m</td><td>&gt;4</td><td>0</td><td>0</td><td>0</td></th<>	Nickel	ppm	ASTM D5185m	>4	0	0	0	
Aluminum         ppm         ASTM D5185m         >15         3         <1         9           Lead         ppm         ASTM D5185m         >25         <1	Titanium	ppm	ASTM D5185m	>2	0	<1	0	
Lead         ppm         ASTM D5185m         >25         <1         0         0           Copper         ppm         ASTM D5185m         >100         1         <1         <1         <1           Tin         ppm         ASTM D5185m         >4         <1         <1         0           Vanadium         ppm         ASTM D5185m         <1         0         0         0           Cadmium         ppm         ASTM D5185m         0         <1         40         4           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0         0         4           Barium         ppm         ASTM D5185m         0         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         <1         <1         <1         <1           Magnesium         ppm         ASTM D5185m         1010         540         728         854           Calcium         ppm         ASTM D5185m         1070         653         1073         983           Zinc         ppm	Silver	ppm	ASTM D5185m	>2	0	0	0	
Copper         ppm         ASTM D5185m         >100         1         <1         <1         <1           Tin         ppm         ASTM D5185m         >4         <1	Aluminum	ppm	ASTM D5185m	>15	3	<1	9	
Tin         ppm         ASTM D5185m         >4         <1         <1         0           Vanadium         ppm         ASTM D5185m         <1         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           ADDITIVES         method limit/base current history1         history2           Boron         ppm         ASTM D5185m         0         <1	Lead	ppm	ASTM D5185m	>25	<1	0	0	
Vanadium         ppm         ASTM D5185m         <1         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         <1         40         4           Barium         ppm         ASTM D5185m         0         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1 <th< td=""><td>Copper</td><td>ppm</td><td>ASTM D5185m</td><td>&gt;100</td><td>1</td><td>&lt;1</td><td>&lt;1</td></th<>	Copper	ppm	ASTM D5185m	>100	1	<1	<1	
Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         <1	Tin	ppm	ASTM D5185m	>4	<1	<1	0	
ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         <1	Vanadium	ppm	ASTM D5185m		<1	0	0	
Boron         ppm         ASTM D5185m         0         <1         40         4           Barium         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         60         36         58         58           Manganese         ppm         ASTM D5185m         1010         540         728         854           Calcium         ppm         ASTM D5185m         1070         653         1073         983           Phosphorus         ppm         ASTM D5185m         1150         675         845         908           Zinc         ppm         ASTM D5185m         1270         839         1054         1123           Sulfur         ppm         ASTM D5185m         2060         2226         3277         2969           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         4         5         17           Potassium         ppm         ASTM D5185m         >20         <1         <1         2           Fuel         %         ASTM D5185m         >20 <td>Cadmium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <td>0</td> <td>0</td> <td>0</td>	Cadmium	ppm	ASTM D5185m		0	0	0	
Barium         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         60         36         58         58           Manganese         ppm         ASTM D5185m         0         <1         <1         <1           Magnesium         ppm         ASTM D5185m         1010         540         728         854           Calcium         ppm         ASTM D5185m         1070         653         1073         983           Phosphorus         ppm         ASTM D5185m         1150         675         845         908           Zinc         ppm         ASTM D5185m         1270         839         1054         1123           Sulfur         ppm         ASTM D5185m         2060         2226         3277         2969           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >225         4         5         17           Potassium         ppm         ASTM D5185m         >20         <1         <1         2           Fuel         %         ASTM D3524	ADDITIVES		method	limit/base	current	history1	history2	
Molybdenum         ppm         ASTM D5185m         60         36         58         58           Manganese         ppm         ASTM D5185m         0         <1         <1         <1           Magnesium         ppm         ASTM D5185m         1010         540         728         854           Calcium         ppm         ASTM D5185m         1070         653         1073         983           Phosphorus         ppm         ASTM D5185m         1150         675         845         908           Zinc         ppm         ASTM D5185m         1270         839         1054         1123           Sulfur         ppm         ASTM D5185m         2060         2226         3277         2969           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         4         5         12           Sodium         ppm         ASTM D5185m         >20         <1         <1         2           Fuel         %         ASTM D5185m         >20         <1         <1         2           Fuel         %         ASTM D5185m	Boron	ppm	ASTM D5185m	0	<1	40	4	
Manganese         ppm         ASTM D5185m         0         <1         <1         <1           Magnesium         ppm         ASTM D5185m         1010         540         728         854           Calcium         ppm         ASTM D5185m         1070         653         1073         983           Phosphorus         ppm         ASTM D5185m         1150         675         845         908           Zinc         ppm         ASTM D5185m         1270         839         1054         1123           Sulfur         ppm         ASTM D5185m         2060         2226         3277         2969           CONTAMINANTS         method         limit/base         current         history1         history2           Solium         ppm         ASTM D5185m         >25         4         5         12           Sodium         ppm         ASTM D5185m         >20         <1	Barium	ppm	ASTM D5185m	0	0			
Magnesium         ppm         ASTM D5185m         1010         540         728         854           Calcium         ppm         ASTM D5185m         1070         653         1073         983           Phosphorus         ppm         ASTM D5185m         1150         675         845         908           Zinc         ppm         ASTM D5185m         1270         839         1054         1123           Sulfur         ppm         ASTM D5185m         2060         2226         3277         2969           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         4         5         12           Sodium         ppm         ASTM D5185m         >20         <1	Molybdenum	ppm	ASTM D5185m	60				
Calcium         ppm         ASTM D5185m         1070         653         1073         983           Phosphorus         ppm         ASTM D5185m         1150         675         845         908           Zinc         ppm         ASTM D5185m         1270         839         1054         1123           Sulfur         ppm         ASTM D5185m         2060         2226         3277         2969           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         4         5         12           Sodium         ppm         ASTM D5185m         >20         <1	-	ppm	ASTM D5185m					
Phosphorus         ppm         ASTM D5185m         1150         675         845         908           Zinc         ppm         ASTM D5185m         1270         839         1054         1123           Sulfur         ppm         ASTM D5185m         2060         2226         3277         2969           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         4         5         12           Sodium         ppm         ASTM D5185m         >20         <1								
Zinc         ppm         ASTM D5185m         1270         839         1054         1123           Sulfur         ppm         ASTM D5185m         2060         2226         3277         2969           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         4         5         12           Sodium         ppm         ASTM D5185m         >20         <1		ppm						
Sulfur         ppm         ASTM D5185m         2060         2226         3277         2969           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         4         5         12           Sodium         ppm         ASTM D5185m         >20         <1		ppm						
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         4         5         12           Sodium         ppm         ASTM D5185m         >20         <1         <1         2           Potassium         ppm         ASTM D5185m         >20         <1         <1         2           Fuel         %         ASTM D3524         >3.0         0.7         0.7         ● 8.8           INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >6         0.5         0.5         2.5           Nitration         Abs/cm         *ASTM D7624         >20         5.4         5.6         10.8           Sulfation         Abs/.1mm         *ASTM D7415         >30         15.0         17.5         21.9           FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         8.1         11.4         1		ppm						
Silicon       ppm       ASTM D5185m       >25       4       5       12         Sodium       ppm       ASTM D5185m       4       5       17         Potassium       ppm       ASTM D5185m       >20       <1       <1       2         Fuel       %       ASTM D3524       >3.0       0.7       0.7       ● 8.8         INFRA-RED       method       limit/base       current       history1       history2         Soot %       %       *ASTM D7844       >6       0.5       0.5       2.5         Nitration       Abs/cm       *ASTM D7624       >20       5.4       5.6       10.8         Sulfation       Abs/.1mm       *ASTM D7415       >30       15.0       17.5       21.9         FLUID DEGRADATION       method       limit/base       current       history1       history2         Oxidation       Abs/.1mm       *ASTM D7414       >25       8.1       11.4       13.7			ASTM D5185m	2060	2226	3277	2969	
Sodium         ppm         ASTM D5185m         4         5         17           Potassium         ppm         ASTM D5185m         >20         <1	CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Potassium         ppm         ASTM D5185m         >20         <1         <1         2           Fuel         %         ASTM D3524         >3.0         0.7         0.7         ● 8.8           INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >6         0.5         0.5         2.5           Nitration         Abs/cm         *ASTM D7624         >20         5.4         5.6         10.8           Sulfation         Abs/.1mm         *ASTM D7415         >30         15.0         17.5         21.9           FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         8.1         11.4         13.7		ppm		>25	4		12	
Fuel         %         ASTM D3524         >3.0         0.7         0.7         ● 8.8           INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >6         0.5         0.5         2.5           Nitration         Abs/cm         *ASTM D7624         >20         5.4         5.6         10.8           Sulfation         Abs/.1mm         *ASTM D7415         >30         15.0         17.5         21.9           FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         8.1         11.4         13.7		ppm	ASTM D5185m		4	5		
INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >6         0.5         0.5         2.5           Nitration         Abs/cm         *ASTM D7624         >20         5.4         5.6         10.8           Sulfation         Abs/.1mm         *ASTM D7415         >30         15.0         17.5         21.9           FLUID DEGRADATION method limit/base current history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         8.1         11.4         13.7	Potassium	ppm						
Soot %         %         *ASTM D7844 > 6         0.5         0.5         2.5           Nitration         Abs/cm   *ASTM D7624   >20         5.4         5.6         10.8           Sulfation         Abs/.1mm   *ASTM D7415   >30         15.0         17.5         21.9           FLUID DEGRADATION   method   limit/base   current   history1   history2           Oxidation         Abs/.1mm   *ASTM D7414   >25         8.1         11.4         13.7	Fuel	%	ASTM D3524	>3.0	0.7	0.7	8.8	
Nitration         Abs/cm         *ASTM D7624         >20         5.4         5.6         10.8           Sulfation         Abs/.1mm         *ASTM D7415         >30         15.0         17.5         21.9           FLUID DEGRADATION method limit/base current history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         8.1         11.4         13.7	INFRA-RED		method	limit/base	current	history1	history2	
Sulfation         Abs/.1mm         *ASTM D7415         >30         15.0         17.5         21.9           FLUID DEGRADATION method limit/base current history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         8.1         11.4         13.7	Soot %	%	*ASTM D7844	>6	0.5	0.5	2.5	
FLUID DEGRADATION method limit/base current history1 history2       Oxidation     Abs/.1mm     *ASTM D7414 >25     8.1     11.4     13.7	Nitration	Abs/cm	*ASTM D7624	>20	5.4		10.8	
Oxidation         Abs/.1mm         *ASTM D7414         >25         8.1         11.4         13.7	Sulfation	Abs/.1mm	*ASTM D7415	>30	15.0	17.5	21.9	
	FLUID DEGRAI	NOITAC	method	limit/base	current	history1	history2	
Base Number (BN)         mg KOH/g         ASTM D2896         9.8         4.7         7.4         7.2	Oxidation	Abs/.1mm	*ASTM D7414	>25	8.1	11.4	13.7	
	Base Number (BN)	mg KOH/g	ASTM D2896	9.8	4.7	7.4	7.2	



# **OIL ANALYSIS REPORT**



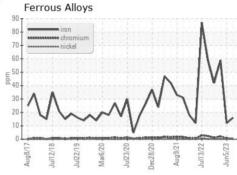
				_		
10	Fuel Di	ilution				
	.0					
% fuel	.0 - Severe				-/	<del>                                     </del>
4	Abnormal				_/_	1-
					_/_	
	Aug8/17	Jec28/17	Jul12/18	/lar22/19	Jul22/19	Jun5/23

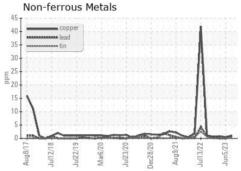


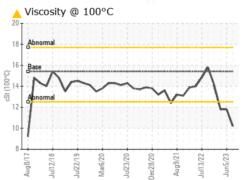
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

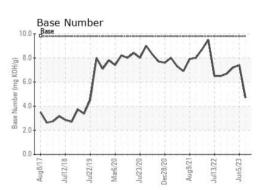
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	<b>10.2</b>	11.8	<b>▲</b> 11.8

# **GRAPHS**













Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: 05945365 : 10635977

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0092491

Received Diagnosed

: 08 Sep 2023 : 13 Sep 2023 Diagnostician : Jonathan Hester

**Test Package**: FLEET (Additional Tests: FuelDilution, 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 - 095 - Atlanta West

2699 Cochran Industrial Blvd Douglasville, GA US 30127-1332 Contact: Darrell Welch darrell.welch@gflenv.com T: (800)207-6618