

PROBLEM SUMMARY

Sample Rating Trend

GLYCOL



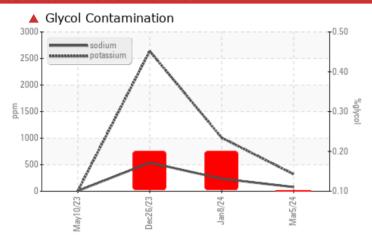
949010-205269

Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	SEVERE	SEVERE		
Sodium	ppm	ASTM D5185m		^ 79	<u>^</u> 235	<u></u> 538		
Potassium	ppm	ASTM D5185m	>20	4 321	<u> </u>	<u>^</u> 2639		
Glycol	%	*ASTM D2982		▲ 0.10	▲ 0.20	▲ 0.20		

Customer Id: GFL865 Sample No.: GFL0114483 Lab Number: 06114982 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 ihester@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. ? Resample We recommend an early resample to monitor this condition. Check Glycol Access ? We advise that you check for the source of the coolant leak.

HISTORICAL DIAGNOSIS

08 Jan 2024 Diag: Don Baldridge





We advise that you check for the source of the coolant leak. Check for low coolant level. 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. All component wear rates are normal. Sodium and/or potassium levels are high. There is a high concentration of glycol present in the oil. 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.



26 Dec 2023 Diag: Jonathan Hester

GLYCOL



We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Sodium and/or potassium levels are high. There is a high concentration of glycol present in the oil. 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 May 2023 Diag: Wes Davis

NORMAL



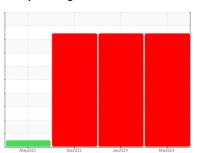
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend







949010-205269

Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

Sodium and/or potassium levels are high. Test for glycol is positive.

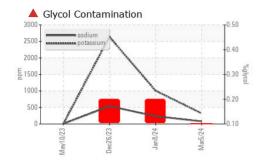
Fluid Condition

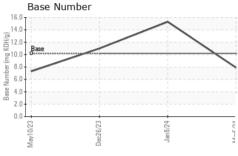
The BN result indicates that there is suitable alkalinity remaining in the oil.

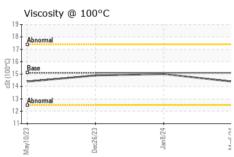
SAMPLE INFORMATION method limit/base current history1 history2 Sample Number Client Info 05 Mar 2024 08 Jan 2024 26 Dec 2023 Machine Age hrs Client Info 14926 14513 14442 Oil Age hrs Client Info 600 14513 14442 Oil Changed Client Info Changed Not Changed Changed Sample Status Image: Sever Seve			May202	3 Dec2023	Jan 2024 N	ar2024	
Sample Date Client Info 05 Mar 2024 08 Jan 2024 26 Dec 2023 Machine Age hrs Client Info 14926 14513 14442 Oil Age hrs Client Info 600 14513 14442 Oil Changed Client Info Changed Not Changed Changed Changed Sample Status Client Info Changed Not Changed Not Changed Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 12 19 13 Iron ppm ASTM D5185m >50 12 19 13 Chromium ppm ASTM D5185m >20 1 1 1 1 Iron ppm ASTM D5185m >2 <1	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 14926 14513 14442 Oil Age hrs Client Info 600 14513 14442 Oil Changed Client Info Changed Not Changed Changed Sample Status SEVERE SEVERE SEVERE CONTAMINATION method limit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 12 19 13 Chromium ppm ASTM D5185m >4 2 3 1 Nickel ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >3 0 0 0 Copper ppm ASTM D5185m >30 1 3 0 Copper ppm ASTM D	Sample Number		Client Info		GFL0114483	GFL0100551	GFL0100548
Oil Age hrs Client Info 600 14513 14442 Oil Changed Sample Status Client Info Changed SEVERE Not Changed SEVERE Changed SEVERE CONTAMINATION method limit/base current history1 history2 WEAR METALS method limit/base current history1 history2 Iron pp ASTM D5185m >50 12 19 13 Chromium ppm ASTM D5185m >50 12 19 13 Chromium ppm ASTM D5185m >2 -1 -1 0 Chromium ppm ASTM D5185m >2 -1 -1 0 Chromium ppm ASTM D5185m >30 0 0 0 Silver ppm ASTM D5185m >30 1 3 0 Copper ppm ASTM D5185m >30 1 3 0 Copper ppm ASTM D5185m >4 <th>Sample Date</th> <th></th> <th>Client Info</th> <th></th> <th>05 Mar 2024</th> <th>08 Jan 2024</th> <th>26 Dec 2023</th>	Sample Date		Client Info		05 Mar 2024	08 Jan 2024	26 Dec 2023
Oil Changed Sample Status Client Info Changed SEVERE Not Changed SEVERE Changed SEVERE CONTAMINATION method limit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 12 19 13 Chromium ppm ASTM D5185m >50 12 19 13 Iron ppm ASTM D5185m >50 12 19 13 Chromium ppm ASTM D5185m >50 12 19 13 Iron ppm ASTM D5185m >30 0 0 0 Silver ppm ASTM D5185m >30 1 3 0 Copper ppm ASTM D5185m >30 1 3 0 Cadadium ppm ASTM D5185m 0 0	Machine Age	hrs	Client Info		14926	14513	14442
Sample Status SEVERE SEVERE SEVERE SEVERE CONTAMINATION method limit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 12 19 13 Chromium ppm ASTM D5185m >4 2 3 1 Nickel ppm ASTM D5185m >2 <1	Oil Age	hrs	Client Info		600	14513	14442
CONTAMINATION method limit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 12 19 13 Chromium ppm ASTM D5185m >4 2 3 1 Nickel ppm ASTM D5185m >2 <1	Oil Changed		Client Info		Changed	Not Changd	Changed
Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 12 19 13 Chromium ppm ASTM D5185m >4 2 3 1 Nickel ppm ASTM D5185m >2 <1	Sample Status				SEVERE	SEVERE	SEVERE
WEAR METALS	CONTAMINAT	ION	method	limit/base	current	history1	history2
Iron	Water		WC Method	>0.1	NEG	NEG	NEG
Chromium ppm ASTM D5185m >4 2 3 1 Nickel ppm ASTM D5185m >2 <1 <1 0 Titanium ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >3 0 0 0 Aluminum ppm ASTM D5185m >9 2 3 2 Lead ppm ASTM D5185m >30 1 3 0 Copper ppm ASTM D5185m >35 5 17 8 Tin ppm ASTM D5185m >4 0 <1 0 Vanadium ppm ASTM D5185m 0 <1 0 <1 0 Cadmium ppm ASTM D5185m 0 <1 37 19 Boron ppm ASTM D5185m 50 14 37 19 Barium ppm ASTM D5185m 50	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>50	12	19	13
Titanium	Chromium	ppm	ASTM D5185m	>4	2	3	1
Silver ppm ASTM D5185m >3 0 0 0 Aluminum ppm ASTM D5185m >9 2 3 2 Lead ppm ASTM D5185m >30 1 3 0 Copper ppm ASTM D5185m >4 0 <1 0 Vanadium ppm ASTM D5185m 0 <1 0 Vanadium ppm ASTM D5185m 0 <1 0 Cadmium ppm ASTM D5185m 0 <1 0 Cadmium ppm ASTM D5185m 50 14 37 19 Barium ppm ASTM D5185m 50 14 37 19 Barium ppm ASTM D5185m 50 73 162 399 Mangaesium ppm ASTM D5185m 50 73 162 399 Mangaesium ppm ASTM D5185m 780 846 884 687	Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Aluminum ppm ASTM D5185m >9 2 3 2 Lead ppm ASTM D5185m >30 1 3 0 Copper ppm ASTM D5185m >35 5 17 8 Tin ppm ASTM D5185m >4 0 <1	Titanium	ppm	ASTM D5185m		0	0	0
Lead ppm ASTM D5185m >30 1 3 0 Copper ppm ASTM D5185m >35 5 17 8 Tin ppm ASTM D5185m >4 0 <1 0 Vanadium ppm ASTM D5185m 0 0 <1 0 Cadmium ppm ASTM D5185m 0 0 <1 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 50 14 37 19 Barium ppm ASTM D5185m 50 14 37 19 Barium ppm ASTM D5185m 50 73 162 399 Manganese ppm ASTM D5185m 50 73 162 399 Manganese ppm ASTM D5185m 50 621 565 461 Calcium ppm ASTM D5185m 780 846 8	Silver	ppm	ASTM D5185m	>3			
Copper ppm ASTM D5185m >35 5 17 8 Tin ppm ASTM D5185m >4 0 <1	Aluminum	ppm	ASTM D5185m	>9	2		
Tin ppm ASTM D5185m >4 0 <1 0 Vanadium ppm ASTM D5185m 0 <1 0 Cadmium ppm ASTM D5185m 0 0 <1 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 50 14 37 19 Barium ppm ASTM D5185m 50 0 0 6 Molybdenum ppm ASTM D5185m 50 73 162 399 Manganese ppm ASTM D5185m 50 73 162 399 Magnesium ppm ASTM D5185m 560 621 565 461 Calcium ppm ASTM D5185m 560 621 565 461 Calcium ppm ASTM D5185m 780 846 884 687 Zinc ppm ASTM D5185m 20 997 1064 <td>Lead</td> <td>ppm</td> <td></td> <td></td> <th></th> <td></td> <td></td>	Lead	ppm					
Vanadium ppm ASTM D5185m 0 <1 0 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 50 14 37 19 Barium ppm ASTM D5185m 50 0 0 6 Molybdenum ppm ASTM D5185m 50 73 162 399 Manganese ppm ASTM D5185m 50 621 565 461 Calcium ppm ASTM D5185m 560 621 565 461 Calcium ppm ASTM D5185m 780 846 884 687 Zinc ppm ASTM D5185m 870 997 1064 788 Sulfur ppm ASTM D5185m 2040 3110 2607 2815 CONTAMINANTS method limit/base current history1 <	Copper	ppm		>35		17	
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 50 14 37 19 Barium ppm ASTM D5185m 50 0 0 6 Molybdenum ppm ASTM D5185m 50 73 162 399 Manganese ppm ASTM D5185m 50 621 162 399 Magnesium ppm ASTM D5185m 560 621 565 461 Calcium ppm ASTM D5185m 1510 1553 1546 1234 Phosphorus ppm ASTM D5185m 870 997 1064 788 Sulfur ppm ASTM D5185m 870 997 1064 788 Sulfur ppm ASTM D5185m >+100 7 13 11 Sodium ppm ASTM D5185m >20 321<		ppm		>4			
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 50 14 37 19 Barium ppm ASTM D5185m 5 0 0 6 Molybdenum ppm ASTM D5185m 50 73 162 399 Manganese ppm ASTM D5185m 50 73 162 399 Manganesium ppm ASTM D5185m 560 621 565 461 Calcium ppm ASTM D5185m 1510 1553 1546 1234 Phosphorus ppm ASTM D5185m 780 846 884 687 Zinc ppm ASTM D5185m 780 846 884 687 Zinc ppm ASTM D5185m 2040 3110 2607 2815 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m <		ppm			_		
Boron ppm ASTM D5185m 50 14 37 19 Barium ppm ASTM D5185m 5 0 0 6 Molybdenum ppm ASTM D5185m 50 73 162 399 Manganese ppm ASTM D5185m 50 621 1 0 Magnesium ppm ASTM D5185m 560 621 565 461 Calcium ppm ASTM D5185m 1510 1553 1546 1234 Phosphorus ppm ASTM D5185m 780 846 884 687 Zinc ppm ASTM D5185m 870 997 1064 788 Sulfur ppm ASTM D5185m 2040 3110 2607 2815 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >+100 7 13 11 Sodium ppm ASTM D5185m <th< th=""><th>Cadmium</th><th>ppm</th><th>ASTM D5185m</th><th></th><th>0</th><th>0</th><th>0</th></th<>	Cadmium	ppm	ASTM D5185m		0	0	0
Barium ppm ASTM D5185m 5 0 0 6 Molybdenum ppm ASTM D5185m 50 73 162 399 Manganese ppm ASTM D5185m 0 <1 1 0 Magnesium ppm ASTM D5185m 560 621 565 461 Calcium ppm ASTM D5185m 1510 1553 1546 1234 Phosphorus ppm ASTM D5185m 780 846 884 687 Zinc ppm ASTM D5185m 870 997 1064 788 Sulfur ppm ASTM D5185m 2040 3110 2607 2815 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >+100 7 13 11 Sodium ppm ASTM D5185m >20 321 1008 2639 Glycol *ASTM D282 0.10	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 50 73 162 399 Manganese ppm ASTM D5185m 0 <1	Boron	ppm	ASTM D5185m	50	14	37	19
Manganese ppm ASTM D5185m 0 <1 1 0 Magnesium ppm ASTM D5185m 560 621 565 461 Calcium ppm ASTM D5185m 1510 1553 1546 1234 Phosphorus ppm ASTM D5185m 780 846 884 687 Zinc ppm ASTM D5185m 870 997 1064 788 Sulfur ppm ASTM D5185m 2040 3110 2607 2815 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >+100 7 13 11 Sodium ppm ASTM D5185m >+100 7 13 11 Sodium ppm ASTM D5185m >20 321 1008 2639 Glycol "ASTM D5185m >20 321 1008 2639 Glycol "ASTM D5185m 20 0.10 <td>Barium</td> <td>ppm</td> <td>ASTM D5185m</td> <td>5</td> <th>0</th> <td>0</td> <td>6</td>	Barium	ppm	ASTM D5185m	5	0	0	6
Magnesium ppm ASTM D5185m 560 621 565 461 Calcium ppm ASTM D5185m 1510 1553 1546 1234 Phosphorus ppm ASTM D5185m 780 846 884 687 Zinc ppm ASTM D5185m 870 997 1064 788 Sulfur ppm ASTM D5185m 2040 3110 2607 2815 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >+100 7 13 11 Sodium ppm ASTM D5185m >+100 7 13 11 Sodium ppm ASTM D5185m >20 321 1008 2639 Glycol % *ASTM D5185m >20 321 1008 2639 Glycol % *ASTM D544 0 0.10 0.20 0.20 INFRA-RED method <t< td=""><td>Molybdenum</td><td>ppm</td><td></td><td></td><th>73</th><td>162</td><td></td></t<>	Molybdenum	ppm			73	162	
Calcium ppm ASTM D5185m 1510 1553 1546 1234 Phosphorus ppm ASTM D5185m 780 846 884 687 Zinc ppm ASTM D5185m 870 997 1064 788 Sulfur ppm ASTM D5185m 2040 3110 2607 2815 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >+100 7 13 11 Sodium ppm ASTM D5185m >+100 7 13 11 Sodium ppm ASTM D5185m >20 321 1008 2639 Glycol % *ASTM D5185m >20 321 1008 2639 Glycol % *ASTM D2982 0.10 0.20 0.20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7624	Manganese	ppm	ASTM D5185m	0	<1	1	0
Phosphorus ppm ASTM D5185m 780 846 884 687 Zinc ppm ASTM D5185m 870 997 1064 788 Sulfur ppm ASTM D5185m 2040 3110 2607 2815 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >+100 7 13 11 Sodium ppm ASTM D5185m >+100 7 13 11 Sodium ppm ASTM D5185m >20 321 1008 2639 Glycol % *ASTM D5185m >20 321 1008 2639 Glycol % *ASTM D2982 0.010 0.20 0.20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0 0.1 0 Nitration Abs/.1mm *ASTM D7415 >30 20.1 18.5 21.0		ppm			_		
Zinc ppm ASTM D5185m 870 997 1064 788 Sulfur ppm ASTM D5185m 2040 3110 2607 2815 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >+100 7 13 11 Sodium ppm ASTM D5185m >+100 7 13 11 Sodium ppm ASTM D5185m >+20 321 1008 2639 Potassium ppm ASTM D5185m >20 321 1008 2639 Glycol % *ASTM D2982 0.10 0.20 0.20 0.20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7624 >20 8.6 9.7 11.3 Sulfation Abs/.1mm *ASTM D7415 >30 20.1 18.5 21.0 FLUID DEGRADATION *ASTM D74		ppm					
Sulfur ppm ASTM D5185m 2040 3110 2607 2815 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >+100 7 13 11 Sodium ppm ASTM D5185m >+100 79 △ 235 △ 538 Potassium ppm ASTM D5185m >20 △ 321 △ 1008 △ 2639 Glycol % *ASTM D2982 △ 0.10 △ 0.20 △ 0.20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0 0.1 0 Nitration Abs/cm *ASTM D7624 >20 8.6 9.7 11.3 Sulfation Abs/.1mm *ASTM D7415 >30 20.1 18.5 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D74		ppm					
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >+100 7 13 11 Sodium ppm ASTM D5185m >+100 79 △ 235 △ 538 Potassium ppm ASTM D5185m >20 △ 321 △ 1008 △ 2639 Glycol % *ASTM D2982 △ 0.10 △ 0.20 △ 0.20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0 0.1 0 Nitration Abs/cm *ASTM D7624 >20 8.6 9.7 11.3 Sulfation Abs/.1mm *ASTM D7415 >30 20.1 18.5 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.7 16.4 15.4	-	ppm					
Silicon ppm ASTM D5185m >+100 7 13 11 Sodium ppm ASTM D5185m → 79 → 235 → 538 Potassium ppm ASTM D5185m >20 → 321 → 1008 → 2639 Glycol % *ASTM D2982 → 0.10 → 0.20 → 0.20 → 1002 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0 0.1 0 Nitration Abs/cm *ASTM D7624 >20 8.6 9.7 11.3 Sulfation Abs/.1mm *ASTM D7415 >30 20.1 18.5 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.7 16.4 15.4			ASTM D5185m	2040	3110	2607	2815
Sodium ppm ASTM D5185m ↑ 79 ↑ 235 ↑ 538 Potassium ppm ASTM D5185m >20 ↑ 321 ↑ 1008 ↑ 2639 Glycol % *ASTM D2982 ↑ 0.10 ↑ 0.20 ↑ 0.20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0 0.1 0 Nitration Abs/cm *ASTM D7624 >20 8.6 9.7 11.3 Sulfation Abs/.1mm *ASTM D7415 >30 20.1 18.5 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.7 16.4 15.4	CONTAMINAN	TS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 321 ▲ 1008 ▲ 2639 Glycol % *ASTM D2982 ▲ 0.10 ▲ 0.20 ▲ 0.20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0 0.1 0 Nitration Abs/cm *ASTM D7624 >20 8.6 9.7 11.3 Sulfation Abs/.1mm *ASTM D7415 >30 20.1 18.5 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.7 16.4 15.4	Silicon	ppm	ASTM D5185m	>+100	7	13	11
Glycol % *ASTM D2982 ▲ 0.10 ▲ 0.20 ▲ 0.20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0 0.1 0 Nitration Abs/cm *ASTM D7624 >20 8.6 9.7 11.3 Sulfation Abs/.1mm *ASTM D7415 >30 20.1 18.5 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.7 16.4 15.4		ppm					<u></u> 538
INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0 0.1 0 Nitration Abs/cm *ASTM D7624 >20 8.6 9.7 11.3 Sulfation Abs/.1mm *ASTM D7415 >30 20.1 18.5 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.7 16.4 15.4				>20			
Soot % % *ASTM D7844 0 0.1 0 Nitration Abs/cm *ASTM D7624 >20 8.6 9.7 11.3 Sulfation Abs/.1mm *ASTM D7415 >30 20.1 18.5 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.7 16.4 15.4	Glycol	%	*ASTM D2982		▲ 0.10	▲ 0.20	▲ 0.20
Nitration Abs/cm *ASTM D7624 >20 8.6 9.7 11.3 Sulfation Abs/.1mm *ASTM D7415 >30 20.1 18.5 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.7 16.4 15.4	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 20.1 18.5 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.7 16.4 15.4	Soot %	%	*ASTM D7844		0	0.1	0
FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.7 16.4 15.4	Nitration	Abs/cm	*ASTM D7624	>20	8.6	9.7	11.3
Oxidation Abs/.1mm *ASTM D7414 >25 16.7 16.4 15.4	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.1	18.5	21.0
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 10.2	Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	16.4	15.4
	Base Number (BN)	mg KOH/g	ASTM D2896	10.2	7.9	15.3	11.0



OIL ANALYSIS REPORT



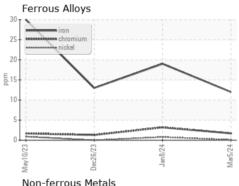


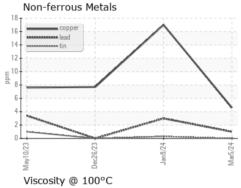


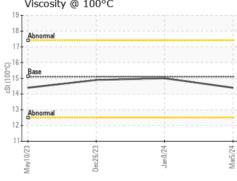
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

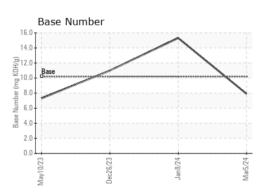
FLUID PROPI	ERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.4	15.0	14.89

GRAPHS













Laboratory Sample No. Lab Number : 06114982 Unique Number : 10923815

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0114483

Received **Tested**

: 11 Mar 2024 : 12 Mar 2024 Diagnosed : 13 Mar 2024 - Jonathan Hester

GFL Environmental - 865 - East Mount Hauling

7213 East Mount Houston Road Houston, TX US 77050

Contact: Saul Castillo saul.castillo@gflenv.com

Test Package : FLEET 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)

T:

F: