

PROBLEM SUMMARY

Sample Rating Trend

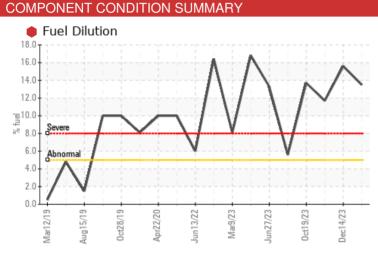
FUEL

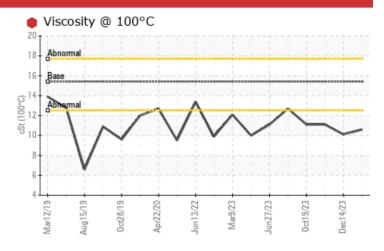
723021-361635

Component **Diesel Engine**

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

COMPONENT CONDITION OF MANAGEV





RECOMMENDATION

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	SEVERE	SEVERE		
Fuel	%	ASTM D3524	>5	13.5	15.6	11.7		
Visc @ 100°C	cSt	ASTM D445	15.4	10.6	1 0.1	<u> </u>		

Customer Id: GFL837 Sample No.: GFL0102483 Lab Number: 06051316 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

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

We advise that you check the fuel injection system.

HISTORICAL DIAGNOSIS

14 Dec 2023 Diag: Wes Davis



System

Check Fuel/injector



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. 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.



20 Nov 2023 Diag: Wes Davis

FUEL



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. 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. The oil is no longer serviceable due to the presence of contaminants.

view report

19 Oct 2023 Diag: Wes Davis

FUEL



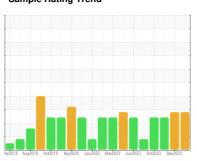
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OIL ANALYSIS REPORT

Sample Rating Trend





723021-361635

Component

Diesel Engine

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

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

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

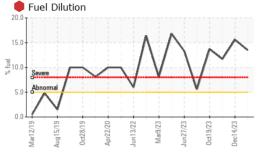
Fluid Condition

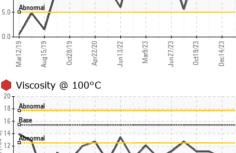
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

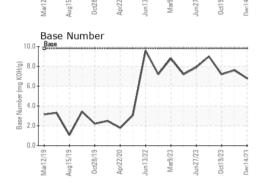
SAMPLE INFORMATION method limit/base current history1 GFL0098618 Sample Date Client Info 27 Dec 2023 14 Dec 2023 20 Nov 2023 Machine Age hrs Client Info 25859 25848 26958 Oil Age hrs Client Info 25859 25848 26958 Oil Age hrs Client Info Changed N/A Not Changd N/A Not Changd Severe Severe Severe Severe Severe Severe Severe Severe CONTAMINATION method Imit/base current history1 history2 Machine Age N/A Not Changd N/A N/A Not Changd N/A N/A Not Changd N/A N/A Not Changd N/A N/A	GAL)		far2019 Aug20	119 Oct2019 Apr2020 Ju	n2022 Mar2023 Jun2023 Oct2023	Dec2023	
Sample Date	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Date Client Info 27 Dec 2023 14 Dec 2023 20 Nov 2023	Sample Number		Client Info		GFL0102483	GFL0102417	GFL0098618
Machine Age hrs Client Info 25859 25848 26958 Oil Age hrs Client Info 0 0 0 0 Oil Changed Client Info Changed N/A Not Changd Sample Status SEVERE SEVERE SEVERE SEVERE CONTAMINATION method limit/base current history1 history2 Water WC Method NEG NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 11 11 12 2 Chromium ppm ASTM D5185m >20 <1 <1 <1 1 12 <1 <1 11 12 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1			Client Info		27 Dec 2023	14 Dec 2023	20 Nov 2023
Oil Age hrs Client Info Changed N/A Not Changd Sample Status Client Info Changed N/A Not Changd Sample Status SEVERE SEVERE SEVERE CONTAMINATION method Imilibase current history1 history2 Water WC Method >0.2 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 11 11 12 Chromium ppm ASTM D5185m >20 <1 <1 <1 Nickel ppm ASTM D5185m >20 <1 <1 11 12 Silver ppm ASTM D5185m >20 0 <1 <1 <1 Silver ppm ASTM D5185m >20 2 2 2 2 Qaper ppm ASTM D5185m >40 0 <1 <1		hrs					
Oil Changed Sample Status Client Info Changed SEVERE N/A Not Changed SEVERE CONTAMINATION method limit/base current history1 history2 Water WC Method >0.2 NEG NEG NEG NEG Glycol WC Method Image: NEG NEG NEG NEG NEG WEAR METALS method Imitibase current history1 history2 Iron ppm ASTM D5185m >100 11 11 12 Chromium ppm ASTM D5185m >20 <1 <1 <1 <1 Chromium ppm ASTM D5185m >20 <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 </td <td></td> <td>hrs</td> <td>Client Info</td> <td></td> <th>0</th> <td>0</td> <td>0</td>		hrs	Client Info		0	0	0
CONTAMINATION method limit/base current history1 history2 Water WC Method >0.2 NEG NEG NEG Glycol WC Method NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 11 11 12 Chromium ppm ASTM D5185m >20 <1 <1 <1 Chromium ppm ASTM D5185m >20 <1 <1 <1 Chromium ppm ASTM D5185m >20 <1 <1 <1 Silver ppm ASTM D5185m >30 0 0 0 <1 Silver ppm ASTM D5185m >20 2 2 2 2 Lead ppm ASTM D5185m >40 0 0 <1 <1 Copper ppm ASTM D5185m >40 0	•				-	N/A	Not Changd
Water Glycol WC Method (Plycol) NEG (P	-				-	SEVERE	Ŭ
WEAR METALS	CONTAMINAT	ION	method	limit/base	current	history1	history2
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 11 11 12 Chromium ppm ASTM D5185m >20 <1	Water		WC Method	>0.2	NEG	NEG	NEG
Iron	Glycol		WC Method		NEG	NEG	NEG
Chromium ppm ASTM D5185m >20 <1 <1 <1 Nickel ppm ASTM D5185m >4 0 0 <1	WEAR METAL	.S	method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>100	11	11	12
Titanium	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Silver	Nickel	ppm	ASTM D5185m	>4	0	0	<1
Aluminum ppm ASTM D5185m >20 2 2 2 Lead ppm ASTM D5185m >40 0 0 <1	Titanium	ppm	ASTM D5185m		0	<1	<1
Lead ppm ASTM D5185m >40 0 0 <1 Copper ppm ASTM D5185m >330 <1 <1 <1 Tin ppm ASTM D5185m >15 <1 0 <1 Vanadium ppm ASTM D5185m 0 <1 0 <1 Cadmium ppm ASTM D5185m 0 0 <1 0 <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 2 <1 3 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 49 50 69 Manganese ppm ASTM D5185m 0 <1 <1 <1 <1 Magnesium ppm ASTM D5185m 1070 871 883 1220 Phosphorus ppm ASTM D5185m <th< td=""><td>Silver</td><td>ppm</td><td>ASTM D5185m</td><td>>3</td><th>0</th><td>0</td><td>0</td></th<>	Silver	ppm	ASTM D5185m	>3	0	0	0
Copper ppm ASTM D5185m >330 <1 <1 <1 Tin ppm ASTM D5185m 0 <1	Aluminum	ppm	ASTM D5185m	>20	2	2	2
Tin ppm ASTM D5185m >15 <1 0 <1 Vanadium ppm ASTM D5185m 0 <1 0 Cadmium ppm ASTM D5185m 0 0 <1 ADDITIVES method limit/base current history1 history2 Barium ppm ASTM D5185m 0 2 <1 3 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 <1 1 1 <1 <1 Magnesium ppm ASTM D5185m 1010 803 785 1088 Calcium ppm ASTM D5185m 1070 871 883 1220 Phosphorus ppm ASTM D5185m 1070 871 883 1220 Phosphorus ppm ASTM D5185m 1270 1050 1036 1385 Sulfur ppm ASTM D51	Lead	ppm	ASTM D5185m	>40	0	0	<1
Vanadium ppm ASTM D5185m 0 <1 0 Cadmium ppm ASTM D5185m 0 0 <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 2 <1 3 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 <1 <1 <1 Manganese ppm ASTM D5185m 0 <1 <1 <1 <1 Magnesium ppm ASTM D5185m 1010 803 785 1088 Calcium ppm ASTM D5185m 1070 871 883 1220 Phosphorus ppm ASTM D5185m 1150 866 861 1110 Zinc ppm ASTM D5185m 1270 1050 1036 1385 Sulfur ppm ASTM D5185m 206 2479	Copper	ppm	ASTM D5185m	>330	<1	<1	<1
Cadmium ppm ASTM D5185m 0 0 <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 2 <1 3 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 49 50 69 Manganese ppm ASTM D5185m 0 <1 <1 <1 Magnesium ppm ASTM D5185m 1010 803 785 1088 Calcium ppm ASTM D5185m 1070 871 883 1220 Phosphorus ppm ASTM D5185m 1270 1050 1036 1385 Sulfur ppm ASTM D5185m 220 2479 2552 3704 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20	Tin	ppm	ASTM D5185m	>15	<1	0	<1
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 2 <1	Vanadium	ppm	ASTM D5185m		0	<1	0
Boron ppm ASTM D5185m 0 2 <1 3 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 60 49 50 69 Manganese ppm ASTM D5185m 0 <1 <1 <1 Magnesium ppm ASTM D5185m 1010 803 785 1088 Calcium ppm ASTM D5185m 1070 871 883 1220 Phosphorus ppm ASTM D5185m 1150 866 861 1110 Zinc ppm ASTM D5185m 1270 1050 1036 1385 Sulfur ppm ASTM D5185m 2060 2479 2552 3704 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 5 9 6 Sodium ppm ASTM D5185m	Cadmium	ppm	ASTM D5185m		0	0	<1
Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 60 49 50 69 Manganese ppm ASTM D5185m 0 <1 <1 <1 Magnesium ppm ASTM D5185m 1010 803 785 1088 Calcium ppm ASTM D5185m 1070 871 883 1220 Phosphorus ppm ASTM D5185m 1150 866 861 1110 Zinc ppm ASTM D5185m 1270 1050 1036 1385 Sulfur ppm ASTM D5185m 2060 2479 2552 3704 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 225 5 9 6 Sodium ppm ASTM D5185m 26 23 17 Potassium ppm ASTM D5185m 20 </th <th>ADDITIVES</th> <th></th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 60 49 50 69 Manganese ppm ASTM D5185m 0 <1 <1 <1 Magnesium ppm ASTM D5185m 1010 803 785 1088 Calcium ppm ASTM D5185m 1070 871 883 1220 Phosphorus ppm ASTM D5185m 1150 866 861 11110 Zinc ppm ASTM D5185m 1270 1050 1036 1385 Sulfur ppm ASTM D5185m 2060 2479 2552 3704 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 5 9 6 Sodium ppm ASTM D5185m >20 2 2 3 17 Potassium ppm ASTM D5185m >20 2 2 3 11.7 INFRA-RED	Boron	ppm	ASTM D5185m	0	2	<1	3
Manganese ppm ASTM D5185m 0 <1 <1 <1 Magnesium ppm ASTM D5185m 1010 803 785 1088 Calcium ppm ASTM D5185m 1070 871 883 1220 Phosphorus ppm ASTM D5185m 1150 866 861 1110 Zinc ppm ASTM D5185m 1270 1050 1036 1385 Sulfur ppm ASTM D5185m 2060 2479 2552 3704 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 5 9 6 Sodium ppm ASTM D5185m >20 2 2 3 Fuel % ASTM D5185m >20 2 2 3 Fuel % ASTM D3524 >5 13.5 15.6 11.7 INFRA-RED method limit/base	Barium	ppm	ASTM D5185m	0	0	0	0
Magnesium ppm ASTM D5185m 1010 803 785 1088 Calcium ppm ASTM D5185m 1070 871 883 1220 Phosphorus ppm ASTM D5185m 1150 866 861 1110 Zinc ppm ASTM D5185m 1270 1050 1036 1385 Sulfur ppm ASTM D5185m 2060 2479 2552 3704 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 5 9 6 Sodium ppm ASTM D5185m >20 2 2 3 Fuel % ASTM D5185m >20 2 2 3 Fuel % ASTM D5185m >20 2 2 3 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7624 >20	Molybdenum	ppm	ASTM D5185m	60	49	50	69
Calcium ppm ASTM D5185m 1070 871 883 1220 Phosphorus ppm ASTM D5185m 1150 866 861 1110 Zinc ppm ASTM D5185m 1270 1050 1036 1385 Sulfur ppm ASTM D5185m 2060 2479 2552 3704 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 5 9 6 Sodium ppm ASTM D5185m >26 23 17 Potassium ppm ASTM D5185m >20 2 2 3 Fuel % ASTM D3524 >5 13.5 15.6 11.7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7624 >20 9.5 8.9 9.1 Sulfation Abs/.1mm	Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Phosphorus ppm ASTM D5185m 1150 866 861 1110 Zinc ppm ASTM D5185m 1270 1050 1036 1385 Sulfur ppm ASTM D5185m 2060 2479 2552 3704 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 5 9 6 Sodium ppm ASTM D5185m >26 23 17 Potassium ppm ASTM D5185m >20 2 2 3 Fuel % ASTM D3524 >5 13.5 15.6 11.7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7624 >20 9.5 8.9 9.1 Sulfation Abs/.1mm *ASTM D7415 >30 21.1 20.6 21.0 FLUID DEGRADATION limit/base cu	Magnesium	ppm	ASTM D5185m	1010	803	785	1088
Zinc ppm ASTM D5185m 1270 1050 1036 1385 Sulfur ppm ASTM D5185m 2060 2479 2552 3704 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 5 9 6 Sodium ppm ASTM D5185m >26 23 17 Potassium ppm ASTM D5185m >20 2 2 3 Fuel % ASTM D3524 >5 13.5 15.6 11.7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/.mm *ASTM D7624 >20 9.5 8.9 9.1 Sulfation Abs/.1mm *ASTM D7415 >30 21.1 20.6 21.0 FLUID DEGRADATION method limit/	Calcium	ppm	ASTM D5185m	1070	871	883	1220
Sulfur ppm ASTM D5185m 2060 2479 2552 3704 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 5 9 6 Sodium ppm ASTM D5185m 26 23 17 Potassium ppm ASTM D5185m >20 2 2 3 Fuel % ASTM D3524 >5 13.5 15.6 11.7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/.mm *ASTM D7624 >20 9.5 8.9 9.1 Sulfation Abs/.1mm *ASTM D7415 >30 21.1 20.6 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414	Phosphorus	ppm	ASTM D5185m	1150	866	861	1110
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 5 9 6 Sodium ppm ASTM D5185m 26 23 17 Potassium ppm ASTM D5185m >20 2 2 3 Fuel % ASTM D3524 >5 13.5 15.6 11.7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/cm *ASTM D7624 >20 9.5 8.9 9.1 Sulfation Abs/.1mm *ASTM D7415 >30 21.1 20.6 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.7 19.8 19.4	Zinc	ppm	ASTM D5185m	1270	1050	1036	1385
Silicon ppm ASTM D5185m >25 5 9 6 Sodium ppm ASTM D5185m 26 23 17 Potassium ppm ASTM D5185m >20 2 2 3 Fuel % ASTM D3524 >5 13.5 15.6 11.7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/cm *ASTM D7624 >20 9.5 8.9 9.1 Sulfation Abs/.1mm *ASTM D7415 >30 21.1 20.6 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.7 19.8 19.4	Sulfur	ppm	ASTM D5185m	2060	2479	2552	3704
Sodium ppm ASTM D5185m 26 23 17 Potassium ppm ASTM D5185m >20 2 2 3 Fuel % ASTM D3524 >5 13.5 15.6 11.7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/cm *ASTM D7624 >20 9.5 8.9 9.1 Sulfation Abs/.1mm *ASTM D7415 >30 21.1 20.6 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.7 19.8 19.4	CONTAMINAN	ITS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 2 2 3 Fuel % ASTM D3524 >5 13.5 15.6 11.7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/cm *ASTM D7624 >20 9.5 8.9 9.1 Sulfation Abs/.1mm *ASTM D7415 >30 21.1 20.6 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.7 19.8 19.4	Silicon	ppm	ASTM D5185m	>25	5	9	6
Fuel % ASTM D3524 >5 13.5 15.6 11.7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/cm *ASTM D7624 >20 9.5 8.9 9.1 Sulfation Abs/.1mm *ASTM D7415 >30 21.1 20.6 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.7 19.8 19.4	Sodium	ppm	ASTM D5185m		26	23	17
INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/cm *ASTM D7624 >20 9.5 8.9 9.1 Sulfation Abs/.1mm *ASTM D7415 >30 21.1 20.6 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.7 19.8 19.4	Potassium	ppm	ASTM D5185m	>20	2	2	3
Soot % % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/cm *ASTM D7624 >20 9.5 8.9 9.1 Sulfation Abs/.1mm *ASTM D7415 >30 21.1 20.6 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.7 19.8 19.4	Fuel	%	ASTM D3524	>5	13.5	15.6	11.7
Nitration Abs/cm *ASTM D7624 >20 9.5 8.9 9.1 Sulfation Abs/.1mm *ASTM D7415 >30 21.1 20.6 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.7 19.8 19.4	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 21.1 20.6 21.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.7 19.8 19.4	Soot %	%	*ASTM D7844	>3	0.6	0.6	0.5
FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/.1mm*ASTM D7414>2520.719.819.4	Nitration	Abs/cm	*ASTM D7624	>20	9.5	8.9	9.1
Oxidation	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.1	20.6	21.0
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	20.7	19.8	19.4
	Base Number (BN)	mg KOH/g		9.8	6.7	6.8	7.6



OIL ANALYSIS REPORT



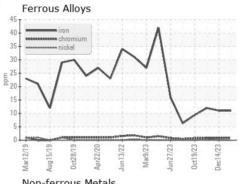


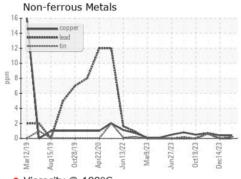


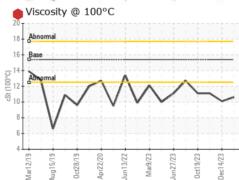
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

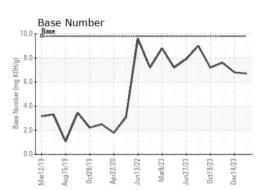
FLUID FROFI		method	IIIIII/Dase	Current	HISTOLYT	HISTOLA
Visc @ 100°C	cSt	ASTM D445	15.4	10.6	10.1	<u> 11.1</u>

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10817265

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0102483 : 06051316

Recieved

: 04 Jan 2024 Diagnosed : 08 Jan 2024 Diagnostician : Wes Davis

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 - 837 - Harrison TS

22820 S State Route 291 Harrisonville, MO US 64701

Contact: BRYAN SWANSON

bryanswanson@gflenv.com

T: F:

Report Id: GFL837 [WUSCAR] 06051316 (Generated: 01/08/2024 15:24:03) Rev: 1