

PROBLEM SUMMARY

Sample Rating Trend

FUEL

PETERBILT 10555

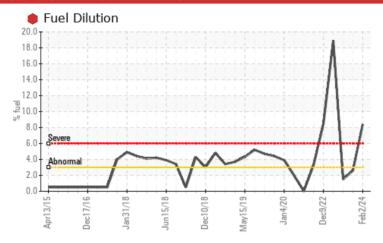
Component **Diesel Engine**

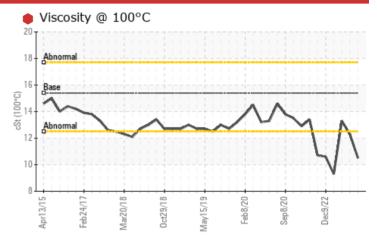
PETRO CANADA DURON SHP 15W40 (7 GAL)





COMPONENT CONDITION SUMMARY





RECOMMENDATION

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

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	MARGINAL	ATTENTION		
Fuel	%	ASTM D3524	>3.0	8.4	<u>^</u> 2.6	<u> </u>		
Visc @ 100°C	cSt	ASTM D445	15.4	10.5	12.3	13.3		

Customer Id: GFL009 Sample No.: GFL0109084 Lab Number: 06084483 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 We recommend that you drain the oil from the component if this has not Change Fluid ? already been done. Resample We recommend an early resample to monitor this condition. Check Fuel/injector ? We advise that you check the fuel injection system. System

HISTORICAL DIAGNOSIS

26 Sep 2023 Diag: Wes Davis





No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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.



02 Aug 2023 Diag: Wes Davis





The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. No other corrective action is recommended at this time.All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. Additive levels indicate the addition of a different brand, or type of oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



12 Apr 2023 Diag: Wes Davis

FUEL



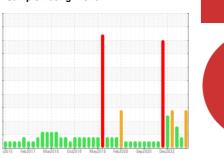
We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The 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.





OIL ANALYSIS REPORT

Sample Rating Trend





PETERBILT 10555

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (7 GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

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

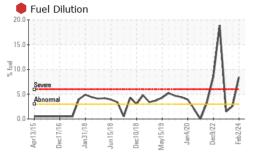
Fluid Condition

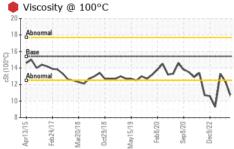
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

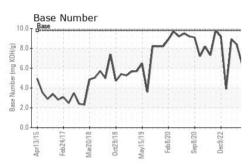
Sample Number Client Info GFL0109084 GFL0086201 GFL0086201 GFL0086201 GFL0086201 Oz Aug 2023 Callent Info 02 Feb 2024 26 Sep 2023 02 Aug 2023 Oz Aug 2023 03 Aug 2023 Oz Aug 2023 Oz Aug 2023 03 Aug 2023 Oz Aug 2023 Oz Aug 2023 03 Aug 2023 Oz Aug 2023 Oz Aug 2023 Oz Aug 2023 03 Aug 2023 Oz Aug 2023 O	2015 Feb2017 Med2018 Oct2018 Meg2019 Feb2020 Sep2020 Dec2022						
Sample Date Client Info 02 Feb 2024 26 Sep 2023 02 Aug 2023 Machine Age hrs Client Info 3997 3677 83101 Oil Age hrs Client Info 0 3677 15399 Oil Changed Client Info N/A N/A N/A Changed Sample Status Client Info N/A N/A N/A Changed CONTAMINATION method limit/base current history1 history2 Water WC Method NEG NEG NEG dilycol WC Method NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >75 21 10 11 Iron ppm ASTM D5185m >5 1 0 <1 Iron ppm ASTM D5185m >2 <1 0 <1 Iron ppm AST	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 3997 3677 83101 Oil Age hrs Client Info 0 3677 15399 Oil Changed Client Info N/A N/A N/A Changed Sample Status SEVERE MARGINAL ATTENTION CONTAMINATION method Immit/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 >5 1 0 <1	Sample Number		Client Info		GFL0109084	GFL0086201	GFL0086223
Oil Age hrs Client Info 0 3677 15399 Oil Changed Client Info N/A N/A N/A Changed Sample Status Client Info N/A N/A N/A Changed Sample Status Current Inistory1 history2 Water WC Method NEG NEG NEG NEG WEAR METALS method Imit/base current history1 history2 Iron ppm ASTM D5185m >5 2 1 0 -1 WEAR METALS method Imit/base current history1 history2 Iron ppm ASTM D5185m >5 1 0 -1 Chromium ppm ASTM D5185m >5 1 0 -1 Iritanium ppm ASTM D5185m >2 0 0 -1 Silver ppm ASTM D5185m >15 5 1 3 Lead pp	Sample Date		Client Info		02 Feb 2024	26 Sep 2023	02 Aug 2023
Oil Changed Sample Status Client Info N/A N/A Changed Sample Status ATTENTION 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 >75 21 10 1 Chromium ppm ASTM D5185m >75 21 10 1 Nickel ppm ASTM D5185m >5 1 0 <1 Nickel ppm ASTM D5185m >2 <1 0 <1 Aluminum ppm ASTM D5185m >2 <1 0 <1 Aluminum ppm ASTM D5185m >2 0 0 <1 Aluminum ppm ASTM D5185m >10 <1 <1 <1 Copper ppm ASTM D5185m >100 <1 <td>Machine Age</td> <td>hrs</td> <td>Client Info</td> <td></td> <th>3997</th> <td>3677</td> <td>83101</td>	Machine Age	hrs	Client Info		3997	3677	83101
Sample Status	Oil Age	hrs	Client Info		0	3677	15399
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 >75 21 10 11 Chromium ppm ASTM D5185m >5 1 0 <1	Oil Changed		Client Info		N/A	N/A	Changed
Water Glycol WC Method WC Method >0.2 NEG Astr NEG Astr NEG Astr NEG Astr NEG Astr	Sample Status				SEVERE	MARGINAL	ATTENTION
Glycol WC Method NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >7.5 21 10 11 Chromium ppm ASTM D5185m >5 1 0 <1 Nickel ppm ASTM D5185m >4 0 0 <1 Titanium ppm ASTM D5185m >2 <1 0 0 Aluminum ppm ASTM D5185m >2 <1 0 0 Aluminum ppm ASTM D5185m >15 5 1 3 Lead ppm ASTM D5185m >100 <1 <1 <1 <1 Copper ppm ASTM D5185m >4 <1 0 0 0 Cadadium ppm ASTM D5185m >4 <1 0 0 0 Cadmium ppm ASTM D5185m 0 17	CONTAMINAT	ION	method	limit/base	current	history1	history2
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >75 21 10 11 Chromium ppm ASTM D5185m >5 1 0 <1	Water		WC Method	>0.2	NEG	NEG	NEG
Iron	Glycol		WC Method		NEG	NEG	NEG
Chromium ppm ASTM D5185m >5 1 0 <1 Nickel ppm ASTM D5185m >4 0 0 <1	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>75	21	10	11
Silver	Chromium	ppm	ASTM D5185m	>5	1	0	<1
Silver	Nickel	ppm	ASTM D5185m	>4	0	0	<1
Aluminum ppm ASTM D5185m >15 5 1 3 Lead ppm ASTM D5185m >25 0 0 0 Copper ppm ASTM D5185m >100 <1	Titanium	ppm	ASTM D5185m	>2	<1	0	0
Lead ppm ASTM D5185m >25 0 0 0 Copper ppm ASTM D5185m >100 <1 <1 <1 Tin ppm ASTM D5185m >4 <1 0 0 Vanadium ppm ASTM D5185m <1 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 4 1 0 <1 Magnesium ppm ASTM D5185m 0 <1 0 <1 0 <1 Calcium ppm ASTM D5185m 1070 958 1150 1113 Phosphorus ppm A	Silver	ppm	ASTM D5185m	>2	0	0	<1
Copper ppm ASTM D5185m >100 <1 <1 <1 <1 Tin ppm ASTM D5185m >4 <1 0	Aluminum	ppm	ASTM D5185m	>15	5	1	3
Tin ppm ASTM D5185m >4 <1 0 0 0 Vanadium ppm ASTM D5185m	Lead	ppm	ASTM D5185m	>25	0	0	0
Vanadium ppm ASTM D5185m <1 0 0 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 17 30 61 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 60 56 61 55 Manganese ppm ASTM D5185m 1010 703 847 708 Calcium ppm ASTM D5185m 1010 703 847 708 Calcium ppm ASTM D5185m 1070 958 1150 1113 Phosphorus ppm ASTM D5185m 1270 978 1180 844 Sulfur ppm ASTM D5185m 2060 2459 3129 2398 CONTAMINANTS method limit/base current history1	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 17 30 61 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 60 56 61 55 Manganese ppm ASTM D5185m 1010 703 847 708 Calcium ppm ASTM D5185m 1070 958 1150 1113 Phosphorus ppm ASTM D5185m 1270 978 1180 844 Sulfur ppm ASTM D5185m 2060 2459 3129 2398 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 6 8 5 Sodium ppm ASTM D5185m >20 3	Tin	ppm	ASTM D5185m	>4	<1	0	0
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 17 30 61 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 60 56 61 55 Manganese ppm ASTM D5185m 0 <1	Vanadium	ppm	ASTM D5185m		<1	0	0
Boron ppm ASTM D5185m 0 17 30 61 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 56 61 55 Manganese ppm ASTM D5185m 0 <1 0 <1 Magnesium ppm ASTM D5185m 1010 703 847 708 Calcium ppm ASTM D5185m 1070 958 1150 1113 Phosphorus ppm ASTM D5185m 1150 807 957 ▲ 713 Zinc ppm ASTM D5185m 1270 978 1180 ▲ 844 Sulfur ppm ASTM D5185m 1270 978 1180 ▲ 844 Sulfur ppm ASTM D5185m 2060 2459 3129 2398 CONTAMINANTS method limit/base current history1 history2 Sodium ppm ASTM D5185m	Cadmium	ppm	ASTM D5185m		0	0	0
Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 60 56 61 55 Manganese ppm ASTM D5185m 0 <1 0 <1 Magnesium ppm ASTM D5185m 1010 703 847 708 Calcium ppm ASTM D5185m 1070 958 1150 1113 Phosphorus ppm ASTM D5185m 1150 807 957 ▲ 713 Zinc ppm ASTM D5185m 1270 978 1180 ▲ 844 Sulfur ppm ASTM D5185m 2060 2459 3129 2398 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 6 8 5 Sodium ppm ASTM D5185m >20 3 4 3 Fuel % ASTM D5185m	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 60 56 61 55 Manganese ppm ASTM D5185m 0 <1 0 <1 Magnesium ppm ASTM D5185m 1010 703 847 708 Calcium ppm ASTM D5185m 1070 958 1150 1113 Phosphorus ppm ASTM D5185m 1270 978 1180 4844 Sulfur ppm ASTM D5185m 2060 2459 3129 2398 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 6 8 5 Sodium ppm ASTM D5185m >25 6 8 5 Sodium ppm ASTM D5185m >20 3 4 3 Fuel % ASTM D5185m >20 3 4 3 Fuel % ASTM D5185m 20	Boron	ppm	ASTM D5185m	0	17	30	61
Manganese ppm ASTM D5185m 0 <1 0 <1 Magnesium ppm ASTM D5185m 1010 703 847 708 Calcium ppm ASTM D5185m 1070 958 1150 1113 Phosphorus ppm ASTM D5185m 1150 807 957 ▲ 713 Zinc ppm ASTM D5185m 1270 978 1180 ▲ 844 Sulfur ppm ASTM D5185m 2060 2459 3129 2398 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 6 8 5 Sodium ppm ASTM D5185m >25 6 8 5 Sodium ppm ASTM D5185m >20 3 4 3 Fuel % ASTM D5185m >20 3 4 3 INFRA-RED method limit/ba	Barium	ppm	ASTM D5185m	0	0	0	0
Magnesium ppm ASTM D5185m 1010 703 847 708 Calcium ppm ASTM D5185m 1070 958 1150 1113 Phosphorus ppm ASTM D5185m 1150 807 957 ▲ 713 Zinc ppm ASTM D5185m 1270 978 1180 ▲ 844 Sulfur ppm ASTM D5185m 2060 2459 3129 2398 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 6 8 5 Sodium ppm ASTM D5185m >20 3 4 3 Fuel % ASTM D5185m >20	Molybdenum	ppm	ASTM D5185m	60	56	61	55
Calcium ppm ASTM D5185m 1070 958 1150 1113 Phosphorus ppm ASTM D5185m 1150 807 957 ▲ 713 Zinc ppm ASTM D5185m 1270 978 1180 ▲ 844 Sulfur ppm ASTM D5185m 2060 2459 3129 2398 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 6 8 5 Sodium ppm ASTM D5185m >20 3 4 3 Fuel % ASTM D5185m >3.0 •8.4 •2.6 •1.5 INFRA-RED method limit/base	Manganese	ppm	ASTM D5185m	0	<1	0	<1
Phosphorus ppm ASTM D5185m 1150 807 957 ▲ 713 Zinc ppm ASTM D5185m 1270 978 1180 ▲ 844 Sulfur ppm ASTM D5185m 2060 2459 3129 2398 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 6 8 5 Sodium ppm ASTM D5185m >20 3 4 3 Fuel % ASTM D5185m >3.0 8.4 2.6 1.5 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7624 >20 10	Magnesium	ppm	ASTM D5185m	1010	703	847	708
Zinc ppm ASTM D5185m 1270 978 1180 ▲ 844 Sulfur ppm ASTM D5185m 2060 2459 3129 2398 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 6 8 5 Sodium ppm ASTM D5185m 5 3 0 Potassium ppm ASTM D5185m >20 3 4 3 Fuel % ASTM D3524 >3.0 8.4 ▲ 2.6 ▲ 1.5 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.4 0.2 0.1 Nitration Abs/cm *ASTM D7624 >20 10.3 6.2 5.9 Sulfation Abs/.1mm *ASTM D7415 >30 19.4 17.4 18.5 FLUID DEGRADATION method limit/b	Calcium	ppm	ASTM D5185m	1070	958	1150	1113
Sulfur ppm ASTM D5185m 2060 2459 3129 2398 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 6 8 5 Sodium ppm ASTM D5185m 5 3 0 Potassium ppm ASTM D5185m >20 3 4 3 Fuel % ASTM D3524 >3.0 8.4 2.6 ▲ 1.5 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.4 0.2 0.1 Nitration Abs/cm *ASTM D7624 >20 10.3 6.2 5.9 Sulfation Abs/.1mm *ASTM D7415 >30 19.4 17.4 18.5 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25	Phosphorus	ppm	ASTM D5185m	1150	807	957	▲ 713
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 6 8 5 Sodium ppm ASTM D5185m 5 3 0 Potassium ppm ASTM D5185m >20 3 4 3 Fuel % ASTM D3524 >3.0 8.4 ▲ 2.6 ▲ 1.5 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.4 0.2 0.1 Nitration Abs/cm *ASTM D7624 >20 10.3 6.2 5.9 Sulfation Abs/.1mm *ASTM D7415 >30 19.4 17.4 18.5 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.8 13.0 14.8	Zinc	ppm	ASTM D5185m	1270	978	1180	844
Silicon ppm ASTM D5185m >25 6 8 5 Sodium ppm ASTM D5185m 5 3 0 Potassium ppm ASTM D5185m >20 3 4 3 Fuel % ASTM D3524 >3.0 8.4 △ 2.6 △ 1.5 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.4 0.2 0.1 Nitration Abs/cm *ASTM D7624 >20 10.3 6.2 5.9 Sulfation Abs/.1mm *ASTM D7415 >30 19.4 17.4 18.5 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.8 13.0 14.8	Sulfur	ppm	ASTM D5185m	2060	2459	3129	2398
Sodium ppm ASTM D5185m 5 3 0 Potassium ppm ASTM D5185m >20 3 4 3 Fuel % ASTM D3524 >3.0 ■ 8.4 ▲ 2.6 ▲ 1.5 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.4 0.2 0.1 Nitration Abs/cm *ASTM D7624 >20 10.3 6.2 5.9 Sulfation Abs/.1mm *ASTM D7415 >30 19.4 17.4 18.5 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.8 13.0 14.8	CONTAMINAN	ITS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 3 4 3 Fuel % ASTM D3524 >3.0 8.4 △ 2.6 △ 1.5 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.4 0.2 0.1 Nitration Abs/cm *ASTM D7624 >20 10.3 6.2 5.9 Sulfation Abs/.1mm *ASTM D7415 >30 19.4 17.4 18.5 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.8 13.0 14.8	Silicon	ppm	ASTM D5185m	>25	6	8	5
Fuel % ASTM D3524 >3.0 8.4 ▲ 2.6 ▲ 1.5 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.4 0.2 0.1 Nitration Abs/cm *ASTM D7624 >20 10.3 6.2 5.9 Sulfation Abs/.1mm *ASTM D7415 >30 19.4 17.4 18.5 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.8 13.0 14.8	Sodium	ppm	ASTM D5185m		5	3	0
INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >6 0.4 0.2 0.1 Nitration Abs/cm *ASTM D7624 >20 10.3 6.2 5.9 Sulfation Abs/.1mm *ASTM D7415 >30 19.4 17.4 18.5 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.8 13.0 14.8	Potassium	ppm	ASTM D5185m	>20	3	4	3
Soot % % *ASTM D7844 >6 0.4 0.2 0.1 Nitration Abs/cm *ASTM D7624 >20 10.3 6.2 5.9 Sulfation Abs/.1mm *ASTM D7415 >30 19.4 17.4 18.5 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.8 13.0 14.8	Fuel	%	ASTM D3524	>3.0	● 8.4	▲ 2.6	▲ 1.5
Nitration Abs/cm *ASTM D7624 >20 10.3 6.2 5.9 Sulfation Abs/.1mm *ASTM D7615 >30 19.4 17.4 18.5 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.8 13.0 14.8	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 19.4 17.4 18.5 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.8 13.0 14.8	Soot %	%	*ASTM D7844	>6	0.4	0.2	0.1
FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.8 13.0 14.8	Nitration	Abs/cm	*ASTM D7624	>20	10.3	6.2	5.9
Oxidation Abs/.1mm *ASTM D7414 >25 16.8 13.0 14.8	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.4	17.4	18.5
	FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 9.8 6.5 8.4 8.9	Outables	Abc/1mm	*ACTM D7/1/	> 25	16.0	12.0	1/1 0
, , , , ,	Oxidation	MUS/.TITIIII	A31101 D7414	>23	10.0	13.0	14.0



OIL ANALYSIS REPORT



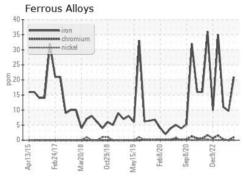


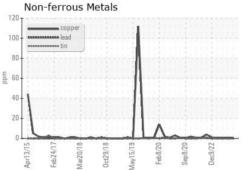


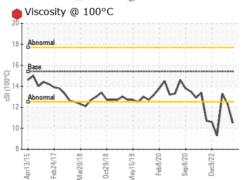
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

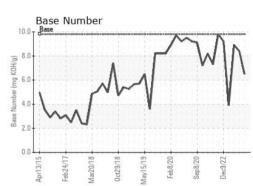
FLUID PROPE	ERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	10.5	12.3	13.3

GRAPHS













Laboratory Sample No. Unique Number: 10871928

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0109084 Lab Number : 06084483

Received **Tested** Diagnosed Test Package: FLEET (Additional Tests: FuelDilution, PercentFuel)

: 09 Feb 2024 : 13 Feb 2024

: 13 Feb 2024 - Wes Davis

6905 Roosevelt Hwy Fairburn, GA US 30213 Contact: Eric Jones erjones@gflenv.com

T: (678)630-9927

GFL Environmental - 009 - Fairburn

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)