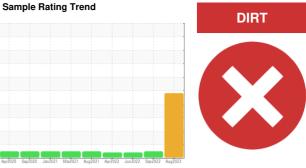


PROBLEM SUMMARY

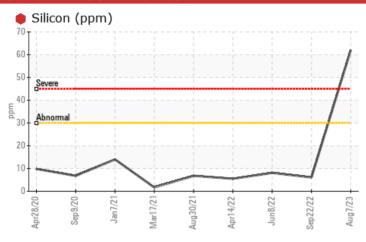


926017-9022

Component **Diesel Engine**

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	NORMAL	ATTENTION		
Silicon	ppm	ASTM D5185m	>30	62	6	8		

Customer Id: GFL663 Sample No.: GFL0079796 Lab Number: 05929308 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

Action Status Date Done By Description Resample --- ? We recommend an early resample to monitor this condition. Check Dirt Access --- ? We advise that you check the air filter, air induction system, and any areas where dirt may enter the component.

HISTORICAL DIAGNOSIS

22 Sep 2022 Diag: Don Baldridge

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.



08 Jun 2022 Diag: Don Baldridge

VISCOSITY



Oil and filter change at the time of sampling has been noted. 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



14 Apr 2022 Diag: Jonathan Hester

VISCOSITY



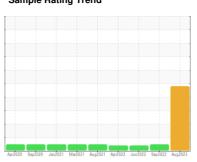
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.





OIL ANALYSIS REPORT

Sample Rating Trend





926017-9022

Component

Diesel Engine

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

DIAGNOSIS

Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.

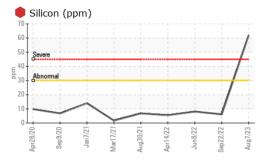
Fluid Condition

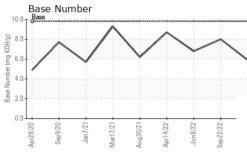
The BN result indicates that there is suitable alkalinity remaining in the oil.

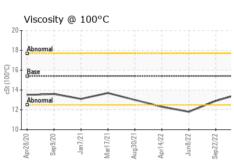
Sample Number Client Info GFL0079796 GFL0055881 GFL0052840 Sample Date Client Info 07 Aug 2023 22 Sep 2022 08 Jun 2022	SAL)		Apr2020 Sep	2020 Jan2021 Mar2021	Aug2021 Apr2022 Jun2022 Sep20	22 Aug2023	
Sample Date Client Info 07 Aug 2023 22 Sep 2022 08 Jun 2022 Machine Age hrs Client Info 19310 17583 17031 Oil Age hrs Client Info 600 17583 17031 Oil Changed Client Info Not Changd Changed Changed Sample Status Client Info Not Changd Changed Changed CONTAMINATION method limit/base current history1 history2 Fuel WC Method NEG NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >110 32 25 21 Kronium ppm ASTM D5185m >4 2 1 1 Iron ppm ASTM D5185m >2 0 1 0 Iron ppm ASTM D5185m >2 0 1 0 Iron	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 19310 17583 17031 Oil Age hrs Client Info 600 17583 17031 Oil Changed Client Info Not Changed Changed Changed Sample Status Brown SEVERE NORMAL ATTENTION CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0 <1.0 <1.0 <1.0 Glycol WC Method NEG NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM DS185m >4 2 1 1 1 WEAR METALS method limit/base current history1 history2 Iron ppm ASTM DS185m >4 2 1 1 1 Iron ppm ASTM DS185m >2 0 0 <1 <1<	Sample Number		Client Info		GFL0079796	GFL0055081	GFL0052840
Oil Age hrs Client Info 600 17583 17031 Oil Changed Client Info Not Changed Changed <th< th=""><th>Sample Date</th><th></th><th>Client Info</th><th></th><th>07 Aug 2023</th><th>22 Sep 2022</th><th>08 Jun 2022</th></th<>	Sample Date		Client Info		07 Aug 2023	22 Sep 2022	08 Jun 2022
Oil Changed Sample Status Client Info Not Changed SEVERE Changed NORMAL ATTENTION CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0 <1.0 <1.0 Glycol WC Method NEG NEG NEG WEAR METALS method Iimit/base current history1 history2 Iron ppm ASTM D5185m >110 32 25 21 Chromium ppm ASTM D5185m >4 2 1 1 Nickel ppm ASTM D5185m >2 0 1 0 Alluminum ppm ASTM D5185m >2 0 0 <1 Lead ppm ASTM D5185m >25 5 7 6 Copper ppm ASTM D5185m >4 0 <1 <1 Vanadium ppm ASTM D5185m 0 0 2 0	Machine Age	hrs	Client Info		19310	17583	17031
Sample Status Method (Slycol) Imitibase (Surrent) Inistory1 history2 Fuel WC Method (Slycol) WC Method (Slycol) >5 <1.0 <1.0 <1.0 WEAR METALS method (Slycol) Imitibase (Surrent) NEG (Slower) NEG (Slower) Iron (Slycol) ppm (ASTM 05185m) >110 32 25 21 Chromium (Slower) ppm (ASTM 05185m) >4 2 1 1 Nickel (Slower) ppm (ASTM 05185m) >2 0 1 0 Silver (Slower) ppm (ASTM 05185m) >2 0 0 <1 Silver (Slower) ppm (ASTM 05185m) >2 0 0 <1 Silver (Slower) ppm (ASTM 05185m) >5 5 2 2 2 Lead (Slower) ppm (ASTM 05185m) >45 5 7 6 6 Copper (Slower) ppm (ASTM 05185m) >4 0 <1 <1 1 1 Tin (Pyer) ASTM 05185m) 0 <td< th=""><th>Oil Age</th><th>hrs</th><th>Client Info</th><th></th><th>600</th><th>17583</th><th>17031</th></td<>	Oil Age	hrs	Client Info		600	17583	17031
CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 NEG 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <td< th=""><th>Oil Changed</th><th></th><th>Client Info</th><th></th><th>Not Changd</th><th>Changed</th><th>Changed</th></td<>	Oil Changed		Client Info		Not Changd	Changed	Changed
Fuel WC Method >5 <1.0	Sample Status				SEVERE	NORMAL	ATTENTION
WEAR METALS	CONTAMINAT	ION	method	limit/base	current	history1	history2
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >110 32 25 21 Chromium ppm ASTM D5185m >4 2 1 1 Nickel ppm ASTM D5185m >2 0 1 0 Titanium ppm ASTM D5185m >2 0 0 <1 Aluminum ppm ASTM D5185m >2 0 0 <1 Aluminum ppm ASTM D5185m >2 5 5 2 2 Lead ppm ASTM D5185m >45 5 7 6 6 Copper ppm ASTM D5185m >4 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	Fuel		WC Method	>5	<1.0	<1.0	<1.0
Iron	Glycol		WC Method		NEG	NEG	NEG
Chromium ppm ASTM D5185m >4 2 1 1 Nickel ppm ASTM D5185m >2 0 1 0 Tittanium ppm ASTM D5185m >2 0 0 <1 Silver ppm ASTM D5185m >25 5 2 2 Lead ppm ASTM D5185m >25 5 7 6 Copper ppm ASTM D5185m >45 5 7 6 Copper ppm ASTM D5185m >44 0 <1 <1 Tin ppm ASTM D5185m >4 0 <1 <1 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method Ilmit/base current history1 history2 Boron ppm ASTM D5185m 0 0 2 0	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >2 0 1 0 Titanium ppm ASTM D5185m 66 12 6 Silver ppm ASTM D5185m >2 0 0 <1 Aluminum ppm ASTM D5185m >25 5 2 2 Lead ppm ASTM D5185m >85 0 <1 <1 Copper ppm ASTM D5185m >44 0 <1 <1 Vanadium ppm ASTM D5185m 0 <1 <1 0 Cadmium ppm ASTM D5185m 0 0 <1 <1 0 Cadmium ppm ASTM D5185m 0 35 19 27 Boron ppm ASTM D5185m 0 0 2 0 Molybdenum ppm ASTM D5185m 0 0 2 0 Magnesium ppm ASTM D5185m 0 0 <1 <	Iron	ppm	ASTM D5185m	>110	32	25	21
Titanium ppm ASTM D5185m 66 12 6 Silver ppm ASTM D5185m >2 0 0 <1 Aluminum ppm ASTM D5185m >25 5 2 2 Lead ppm ASTM D5185m >45 5 7 6 Copper ppm ASTM D5185m >85 0 <1 <1 Tin ppm ASTM D5185m >4 0 <1 <1 Vanadium ppm ASTM D5185m >4 0 <1 <1 0 Cadmium ppm ASTM D5185m 0 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 2 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 2<	Chromium	ppm	ASTM D5185m	>4	2	1	1
Silver ppm ASTM D5185m >2 0 0 <1	Nickel	ppm	ASTM D5185m	>2	0	1	0
Aluminum ppm ASTM D5185m >25 5 2 2 Lead ppm ASTM D5185m >45 5 7 6 Copper ppm ASTM D5185m >85 0 <1 <1 Tin ppm ASTM D5185m >4 0 <1 <1 Vanadium ppm ASTM D5185m <1 <1 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 35 19 27 Barium ppm ASTM D5185m 0 0 2 0 Molybdenum ppm ASTM D5185m 0 0 2 0 Magnesium ppm ASTM D5185m 1010 790 708 806 Calcium ppm ASTM D5185m 1070 1991	Titanium	ppm	ASTM D5185m		66	12	6
Lead ppm ASTM D5185m >45 5 7 6 Copper ppm ASTM D5185m >85 0 <1	Silver	ppm	ASTM D5185m	>2	0	0	<1
Copper ppm ASTM D5185m >85 0 <1	Aluminum	ppm	ASTM D5185m	>25	5	2	2
Tin ppm ASTM D5185m >4 0 <1	Lead	ppm	ASTM D5185m	>45	5	7	6
Vanadium ppm ASTM D5185m <1	Copper	ppm	ASTM D5185m	>85	0	<1	<1
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 35 19 27 Barium ppm ASTM D5185m 0 0 2 0 Molybdenum ppm ASTM D5185m 60 29 50 58 Manganese ppm ASTM D5185m 0 0 <1 <1 Magnesium ppm ASTM D5185m 1010 790 708 806 Calcium ppm ASTM D5185m 1070 1991 1390 1273 Phosphorus ppm ASTM D5185m 1150 1244 987 993 Zinc ppm ASTM D5185m 1270 1671 1237 1181 Sulfur ppm ASTM D5185m 2060 5561 3495 3092 CONTAMINANTS method limit/base curre	Tin	ppm	ASTM D5185m	>4	0	<1	<1
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 35 19 27 Barium ppm ASTM D5185m 0 0 2 0 Molybdenum ppm ASTM D5185m 60 29 50 58 Manganese ppm ASTM D5185m 0 0 <1 <1 Magnesium ppm ASTM D5185m 1010 790 708 806 Calcium ppm ASTM D5185m 1070 1991 1390 1273 Phosphorus ppm ASTM D5185m 1150 1244 987 993 Zinc ppm ASTM D5185m 1270 1671 1237 1181 Sulfur ppm ASTM D5185m 2060 5561 3495 3092 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m <th>Vanadium</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th><1</th> <th><1</th> <th>0</th>	Vanadium	ppm	ASTM D5185m		<1	<1	0
Boron ppm ASTM D5185m 0 35 19 27 Barium ppm ASTM D5185m 0 0 2 0 Molybdenum ppm ASTM D5185m 60 29 50 58 Manganese ppm ASTM D5185m 0 0 <1	Cadmium	ppm	ASTM D5185m		0	0	0
Barium ppm ASTM D5185m 0 0 2 0 Molybdenum ppm ASTM D5185m 60 29 50 58 Manganese ppm ASTM D5185m 0 0 <1 <1 Magnesium ppm ASTM D5185m 1010 790 708 806 Calcium ppm ASTM D5185m 1070 1991 1390 1273 Phosphorus ppm ASTM D5185m 1150 1244 987 993 Zinc ppm ASTM D5185m 1270 1671 1237 1181 Sulfur ppm ASTM D5185m 2060 5561 3495 3092 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 62 6 8 Sodium ppm ASTM D5185m >20 0 3 <1 INFRA-RED method limit/base	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 60 29 50 58 Manganese ppm ASTM D5185m 0 0 <1	Boron	ppm	ASTM D5185m	0	35	19	27
Manganese ppm ASTM D5185m 0 0 <1	Barium	ppm	ASTM D5185m	0	0	2	0
Magnesium ppm ASTM D5185m 1010 790 708 806 Calcium ppm ASTM D5185m 1070 1991 1390 1273 Phosphorus ppm ASTM D5185m 1150 1244 987 993 Zinc ppm ASTM D5185m 1270 1671 1237 1181 Sulfur ppm ASTM D5185m 2060 5561 3495 3092 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 62 6 8 Sodium ppm ASTM D5185m >20 0 3 4 5 Potassium ppm ASTM D5185m >20 0 3 4 5 Soot % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/cm *ASTM D7414 >20 11.1 10.9 10.2 Sulfation Abs/.1mm	Molybdenum	ppm	ASTM D5185m	60	29	50	58
Calcium ppm ASTM D5185m 1070 1991 1390 1273 Phosphorus ppm ASTM D5185m 1150 1244 987 993 Zinc ppm ASTM D5185m 1270 1671 1237 1181 Sulfur ppm ASTM D5185m 2060 5561 3495 3092 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 62 6 8 Sodium ppm ASTM D5185m >30 4 5 Potassium ppm ASTM D5185m >20 0 3 <1 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/.1mm *ASTM D7415 >30 25.6 23.4 21.7 FLUID DEGRADATION *ASTM D7414	Manganese	ppm	ASTM D5185m	0	0	<1	<1
Phosphorus ppm ASTM D5185m 1150 1244 987 993 Zinc ppm ASTM D5185m 1270 1671 1237 1181 Sulfur ppm ASTM D5185m 2060 5561 3495 3092 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 62 6 8 Sodium ppm ASTM D5185m >30 4 5 Potassium ppm ASTM D5185m >20 0 3 <1 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/cm *ASTM D7624 >20 11.1 10.9 10.2 Sulfation Abs/.1mm *ASTM D7415 >30 25.6 23.4 21.7 FLUID DEGRADATION *ASTM D7414	Magnesium	ppm	ASTM D5185m	1010	790	708	806
Zinc ppm ASTM D5185m 1270 1671 1237 1181 Sulfur ppm ASTM D5185m 2060 5561 3495 3092 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 62 6 8 Sodium ppm ASTM D5185m 3 4 5 Potassium ppm ASTM D5185m >20 0 3 <1 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/cm *ASTM D7624 >20 11.1 10.9 10.2 Sulfation Abs/.1mm *ASTM D7415 >30 25.6 23.4 21.7 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414	Calcium	ppm	ASTM D5185m	1070	1991	1390	1273
Sulfur ppm ASTM D5185m 2060 5561 3495 3092 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 62 6 8 Sodium ppm ASTM D5185m 3 4 5 Potassium ppm ASTM D5185m >20 0 3 <1 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/cm *ASTM D7624 >20 11.1 10.9 10.2 Sulfation Abs/.1mm *ASTM D7415 >30 25.6 23.4 21.7 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.6 17.9 17.7	Phosphorus	ppm	ASTM D5185m	1150	1244	987	993
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 62 6 8 Sodium ppm ASTM D5185m 3 4 5 Potassium ppm ASTM D5185m >20 0 3 <1 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/cm *ASTM D7624 >20 11.1 10.9 10.2 Sulfation Abs/.1mm *ASTM D7415 >30 25.6 23.4 21.7 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.6 17.9 17.7	Zinc	ppm	ASTM D5185m	1270	1671	1237	1181
Silicon ppm ASTM D5185m >30 62 6 8 Sodium ppm ASTM D5185m 3 4 5 Potassium ppm ASTM D5185m >20 0 3 <1	Sulfur	ppm	ASTM D5185m	2060	5561	3495	3092
Sodium ppm ASTM D5185m 3 4 5 Potassium ppm ASTM D5185m >20 0 3 <1	CONTAMINAN	TS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 0 3 <1	Silicon	ppm	ASTM D5185m	>30	6 2	6	8
INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/cm *ASTM D7624 >20 11.1 10.9 10.2 Sulfation Abs/.1mm *ASTM D7415 >30 25.6 23.4 21.7 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.6 17.9 17.7	Sodium	ppm	ASTM D5185m		3	4	5
Soot % % *ASTM D7844 >3 0.6 0.6 0.5 Nitration Abs/cm *ASTM D7624 >20 11.1 10.9 10.2 Sulfation Abs/.1mm *ASTM D7415 >30 25.6 23.4 21.7 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.6 17.9 17.7	Potassium	ppm	ASTM D5185m	>20	0	3	<1
Nitration Abs/cm *ASTM D7624 >20 11.1 10.9 10.2 Sulfation Abs/.1mm *ASTM D7415 >30 25.6 23.4 21.7 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.6 17.9 17.7	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 25.6 23.4 21.7 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.6 17.9 17.7	Soot %	%	*ASTM D7844	>3	0.6	0.6	0.5
FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.6 17.9 17.7	Nitration	Abs/cm	*ASTM D7624	>20	11.1	10.9	10.2
Oxidation Abs/.1mm *ASTM D7414 >25 20.6 17.9 17.7	Sulfation	Abs/.1mm	*ASTM D7415	>30	25.6	23.4	21.7
	FLUID DEGRA	OATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	20.6	17.9	17.7
, , , ,		mg KOH/g			5.9	8.0	6.8



OIL ANALYSIS REPORT



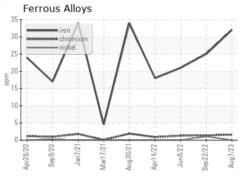


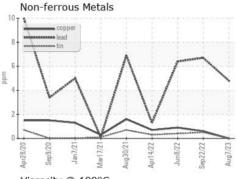


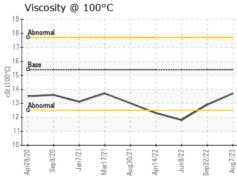
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

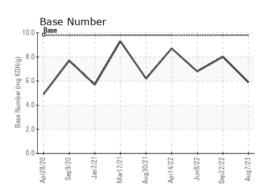
FLUID PROPE	RIIES	method	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.4	13.7	12.9	△ 11.8

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : FLEET

: 05929308 : 10609255

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0079796 Received Diagnosed

: 21 Aug 2023 : 22 Aug 2023 Diagnostician : Jonathan Hester GFL Environmental - 663 - Lake Ariel (Scranton Hauling)

17 Industrial Park Rd Lake Ariel, PA US 18436

Contact: Eric Merone

emerone@countyrecycling.net T:

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)

F: