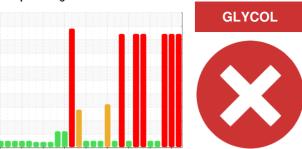


# **PROBLEM SUMMARY**

Sample Rating Trend



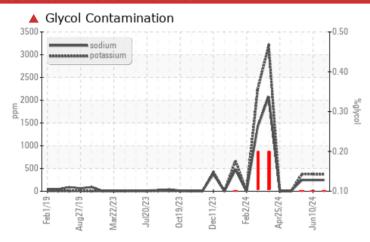
Machine Id

721024-361461

Diesel Engine

PETRO CANADA DURON SHP 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		<u>^</u> 246	245	246		
Potassium	ppm	ASTM D5185m	>20	<b>4</b> 371	<b>△</b> 374	<b>△</b> 375		
Glycol	%	*ASTM D2982		<b>▲</b> 0.10	<b>▲</b> 0.10	<b>▲</b> 0.10		

Customer Id: GFL821 Sample No.: GFL0121485 Lab Number: 06219297 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.		
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

### 10 Jun 2024 Diag: Wes Davis

GLYCOL



We advise that you check for the source of the coolant leak. We recommend that you drain the oil from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with oil. We recommend an early resample to monitor this condition. All component wear rates are normal. Test for glycol is positive. 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.



#### GLYCOL



31 May 2024 Diag: Wes Davis

We advise that you check for the source of the coolant leak. We recommend that you drain the oil from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with oil. We recommend an early resample to monitor this condition. All component wear rates are normal. Test for glycol is positive. 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.



#### NORMAL



15 May 2024 Diag: Wes Davis

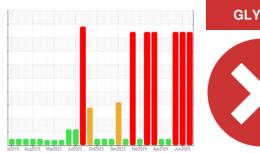
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.





# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

721024-361461

Diesel Engine

PETRO CANADA DURON SHP 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.

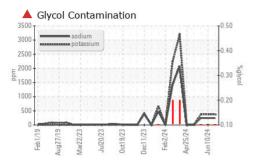
## Fluid Condition

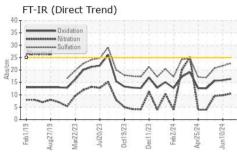
The BN result indicates that there is suitable alkalinity remaining in the oil.

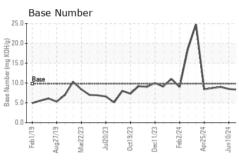
Sample Number         Client Info         GFL0121485         GFL0121609         GFL01025           Sample Date         Client Info         20 Jun 2024         10 Jun 2024         31 May 20           Machine Age         hrs         Client Info         800         150         150           Oil Ohanged         Client Info         600         150         150           Oil Changed         Client Info         Changed         Not Changed         Not Changed           Sample Status         VC Method         55         <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         <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         <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	iAL)						
Sample Date         Client Info         20 Jun 2024         10 Jun 2024         31 May 20           Machine Age         hrs         Client Info         8025         8147         8025           Oil Age         hrs         Client Info         600         150         150           Oil Changed         Client Info         Changed         Not Changed         Not Changed         Not Changed           Sample Status         Client Info         Changed         Not Changed         Not Changed         Not Changed           CONTAMINATION         method         Immit Misse         current         history1         histor           Euel         WC Method         >5         <1.0	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Date   Client Info   20 Jun 2024   10 Jun 2024   31 May 20 Machine Age   hrs   Client Info   8202   8147   8025   100   15	Sample Number		Client Info		GFL0121485	GFL0121609	GFL0105299
Machine Age   hrs   Client Info   600   150			Client Info		20 Jun 2024	10 Jun 2024	31 May 2024
Oil Age         hrs         Client Info         600         150         150         Not Changed Not Changed Sample Status         Not Changed Severe         10         0         0	•	hrs					-
Oil Changed Sample Status         Client Info         Changed SEVERE         Not Changed SEVERE         Not Change SEVERE         Not Change SEVERE		hrs	Client Info		600	150	150
SEVERE   S	-						Not Changd
Wear	-				_	Ü	Ü
Water         WC Method         >0.2         NEG         NEG         NEG           WEAR METALS         method         limit/base         current         history1         history1           Iron         ppm         ASTM D5185m         >100         43         45         39           Chromium         ppm         ASTM D5185m         >20         2         <1         <1           Nickel         ppm         ASTM D5185m         >4         <1         0         0           Silver         ppm         ASTM D5185m         >3         <1         0         0           Aluminum         ppm         ASTM D5185m         >20         3         3         3         3           Lead         ppm         ASTM D5185m         >20         3         3         4         4           Copper         ppm         ASTM D5185m         >40         3         3         4           Copper         ppm         ASTM D5185m         >15         1         1         1           Vanadium         ppm         ASTM D5185m         >15         1         1         1           Calcium         ppm         ASTM D5185m         0         <1	CONTAMINAT	ION	method	limit/base	current	history1	history2
VEAR METALS	Fuel		WC Method	>5	<1.0	<1.0	<1.0
Chromium	Water		WC Method	>0.2	NEG	NEG	NEG
Chromium	WEAR METAL	.S	method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>100	43	45	39
Titanium	Chromium	ppm	ASTM D5185m	>20	2	<1	<1
Silver	Nickel	ppm	ASTM D5185m	>4	<1	0	0
Aluminum	Titanium	ppm	ASTM D5185m		<1	0	0
Lead	Silver	ppm	ASTM D5185m	>3	<1	0	0
Copper         ppm         ASTM D5185m         >330         105         86         43           Tin         ppm         ASTM D5185m         >15         1         1         1           Vanadium         ppm         ASTM D5185m         <1	Aluminum	ppm	ASTM D5185m	>20	3	3	3
Tin	Lead	ppm	ASTM D5185m	>40	3	3	4
Vanadium         ppm         ASTM D5185m         <1         0         0           Cadmium         ppm         ASTM D5185m         <1         0         0           ADDITIVES         method         limit/base         current         history1         history1           Boron         ppm         ASTM D5185m         0         <1         2         3           Barium         ppm         ASTM D5185m         0         2         0         0           Molybdenum         ppm         ASTM D5185m         60         107         110         108           Manganese         ppm         ASTM D5185m         0         1         1         1           Magnesium         ppm         ASTM D5185m         1070         1035         1065         1044           Phosphorus         ppm         ASTM D5185m         1270         1204         1241         1170           Sulfur         ppm         ASTM D5185m         1270         1204         1241         1170           Sulfur         ppm         ASTM D5185m         2060         2884         3372         3251           CONTAMINANTS         method         limit/base         current         history1	Copper	ppm	ASTM D5185m	>330	105	86	43
Cadmium         ppm         ASTM D5185m         <1         0         0           ADDITIVES         method         limit/base         current         history1         history3           Boron         ppm         ASTM D5185m         0         <1	Tin	ppm	ASTM D5185m	>15	1	1	1
ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         <1	√anadium	ppm	ASTM D5185m		<1	0	0
Boron	Cadmium	ppm	ASTM D5185m		<1	0	0
Barium         ppm         ASTM D5185m         0         2         0         0           Molybdenum         ppm         ASTM D5185m         60         107         110         108           Manganese         ppm         ASTM D5185m         0         1         1         1           Magnesium         ppm         ASTM D5185m         1010         874         917         862           Calcium         ppm         ASTM D5185m         1070         1035         1065         1044           Phosphorus         ppm         ASTM D5185m         1150         1030         1058         990           Zinc         ppm         ASTM D5185m         1270         1204         1241         1170           Sulfur         ppm         ASTM D5185m         2060         2884         3372         3251           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >25         7         7         7           Sodium         ppm         ASTM D5185m         >20         371         374         375           Glycol         %         *ASTM D584 </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         107         110         108           Manganese         ppm         ASTM D5185m         0         1         1         1           Magnesium         ppm         ASTM D5185m         1010         874         917         862           Calcium         ppm         ASTM D5185m         1070         1035         1065         1044           Phosphorus         ppm         ASTM D5185m         1150         1030         1058         990           Zinc         ppm         ASTM D5185m         1270         1204         1241         1170           Sulfur         ppm         ASTM D5185m         2060         2884         3372         3251           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >25         7         7         7           Sodium         ppm         ASTM D5185m         >20         371         374         375           Glycol         *ASTM D5185m         >20         371         374         375           Glycol         *ASTM D5185m         >20         371<	Boron	ppm	ASTM D5185m	0	<1	2	3
Manganese         ppm         ASTM D5185m         0         1         1         1           Magnesium         ppm         ASTM D5185m         1010         874         917         862           Calcium         ppm         ASTM D5185m         1070         1035         1065         1044           Phosphorus         ppm         ASTM D5185m         1150         1030         1058         990           Zinc         ppm         ASTM D5185m         1270         1204         1241         1170           Sulfur         ppm         ASTM D5185m         2060         2884         3372         3251           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >25         7         7         7           Sodium         ppm         ASTM D5185m         >25         7         7         7           Sodium         ppm         ASTM D5185m         >20         371         374         375           Glycol         %         *ASTM D5185m         >20         371         374         375           Glycol         %         *ASTM D5444 <td>Barium</td> <td>ppm</td> <td>ASTM D5185m</td> <td>0</td> <th>2</th> <td>0</td> <td>0</td>	Barium	ppm	ASTM D5185m	0	2	0	0
Magnesium         ppm         ASTM D5185m         1010         874         917         862           Calcium         ppm         ASTM D5185m         1070         1035         1065         1044           Phosphorus         ppm         ASTM D5185m         1150         1030         1058         990           Zinc         ppm         ASTM D5185m         1270         1204         1241         1170           Sulfur         ppm         ASTM D5185m         2060         2884         3372         3251           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >25         7         7         7           Sodium         ppm         ASTM D5185m         >25         7         7         7           Sodium         ppm         ASTM D5185m         >20         371         374         375           Glycol         %         *ASTM D5185m         >20         371         374         375           Glycol         %         *ASTM D584         >3         1.5         1.3         1.1           Soot %         %         *ASTM D7844 </td <td>Molybdenum</td> <td>ppm</td> <td>ASTM D5185m</td> <td>60</td> <th>107</th> <td>110</td> <td>108</td>	Molybdenum	ppm	ASTM D5185m	60	107	110	108
Calcium         ppm         ASTM D5185m         1070         1035         1065         1044           Phosphorus         ppm         ASTM D5185m         1150         1030         1058         990           Zinc         ppm         ASTM D5185m         1270         1204         1241         1170           Sulfur         ppm         ASTM D5185m         2060         2884         3372         3251           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >25         7         7         7           Sodium         ppm         ASTM D5185m         >20         371         374         375           Glycol         %         *ASTM D585m         >20         371         374         375           Glycol         %         *ASTM D585m	Manganese	ppm	ASTM D5185m	0	1	1	1
Phosphorus         ppm         ASTM D5185m         1150         1030         1058         990           Zinc         ppm         ASTM D5185m         1270         1204         1241         1170           Sulfur         ppm         ASTM D5185m         2060         2884         3372         3251           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >25         7         7         7           Sodium         ppm         ASTM D5185m         >20         371         374         375           Glycol         %         *ASTM D5185m         >20         371         374         375           Glycol         %         *ASTM D5185m         >20         371         374         375           Glycol         %         *ASTM D582m         >20         371         374         375           Glycol         %         *ASTM D7844         >3         1.5         1.3         1.1           Nitration         Abs/cm         *ASTM D7624         >20         10.5         9.8         9.5           Sulfation         Abs/.1mm         *	Magnesium	ppm	ASTM D5185m	1010	874	917	862
Zinc         ppm         ASTM D5185m         1270         1204         1241         1170           Sulfur         ppm         ASTM D5185m         2060         2884         3372         3251           CONTAMINANTS         method         limit/base         current         history1         history           Silicon         ppm         ASTM D5185m         >25         7         7         7           Sodium         ppm         ASTM D5185m         >20         371         374         375           Glycol         %         *ASTM D5185m         >20         371         374         375           Glycol         %         *ASTM D2982         ▲ 0.10         ▲ 0.10         ▲ 0.10           INFRA-RED         method         limit/base         current         history1         history1           Soot %         %         *ASTM D7844         >3         1.5         1.3         1.1           Nitration         Abs/cm         *ASTM D7624         >20         10.5         9.8         9.5           Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7         21.7         20.7           FLUID DEGRADATION         method         limit	Calcium	ppm	ASTM D5185m	1070	1035	1065	1044
Sulfur         ppm         ASTM D5185m         2060         2884         3372         3251           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >25         7         7         7           Sodium         ppm         ASTM D5185m         >20         371         374         375           Potassium         ppm         ASTM D5185m         >20         371         374         375           Glycol         %         *ASTM D2982          0.10         0.10         0.10           INFRA-RED         method         limit/base         current         history1         history1           Soot %         %         *ASTM D7844         >3         1.5         1.3         1.1           Nitration         Abs/cm         *ASTM D7624         >20         10.5         9.8         9.5           Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7         21.7         20.7           FLUID DEGRADATION         method         limit/base         current         history1         history1           Oxidation         Abs/.1mm         *A	Phosphorus	ppm	ASTM D5185m	1150	1030	1058	990
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         7         7         7           Sodium         ppm         ASTM D5185m         >246         245         246           Potassium         ppm         ASTM D5185m         >20         371         374         375           Glycol         %         *ASTM D2982          0.10         0.10         0.10           INFRA-RED         method         limit/base         current         history1         history           Soot %         %         *ASTM D7844         >3         1.5         1.3         1.1           Nitration         Abs/cm         *ASTM D7624         >20         10.5         9.8         9.5           Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7         21.7         20.7           FLUID DEGRADATION         method         limit/base         current         history1         history1           Oxidation         Abs/.1mm         *ASTM D7414         >25         16.4         15.9         15.6	Zinc	ppm	ASTM D5185m	1270	1204	1241	1170
Silicon         ppm         ASTM D5185m         >25         7         7         7           Sodium         ppm         ASTM D5185m         △         246         245         246           Potassium         ppm         ASTM D5185m         >20         △         371         △         374         △         375           Glycol         %         *ASTM D2982         △         0.10         △         0.10         △         0.10           INFRA-RED         method         limit/base         current         history1         history1           Soot %         %         *ASTM D7844         >3         1.5         1.3         1.1           Nitration         Abs/cm         *ASTM D7624         >20         10.5         9.8         9.5           Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7         21.7         20.7           FLUID DEGRADATION         method         limit/base         current         history1         history1           Oxidation         Abs/.1mm         *ASTM D7414         >25         16.4         15.9         15.6	Sulfur	nnm	ASTM D5185m	2060		2272	3251
Sodium         ppm         ASTM D5185m         ▲ 246         245         246           Potassium         ppm         ASTM D5185m         >20         ▲ 371         ▲ 374         ▲ 375           Glycol         %         *ASTM D2982         ▲ 0.10         ▲ 0.10         ▲ 0.10           INFRA-RED         method         limit/base         current         history1         history1           Soot %         %         *ASTM D7844         >3         1.5         1.3         1.1           Nitration         Abs/cm         *ASTM D7624         >20         10.5         9.8         9.5           Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7         21.7         20.7           FLUID DEGRADATION         method         limit/base         current         history1         history1           Oxidation         Abs/.1mm         *ASTM D7414         >25         16.4         15.9         15.6		ppiii	710 TWI DO TOOTTI	2000	2884	3372	
Potassium         ppm         ASTM D5185m         >20         ▲ 371         ▲ 374         ▲ 375           Glycol         %         *ASTM D2982         ▲ 0.10         ▲ 0.10         ▲ 0.10         ▲ 0.10           INFRA-RED         method         limit/base         current         history1         history1           Soot %         %         *ASTM D7844         >3         1.5         1.3         1.1           Nitration         Abs/cm         *ASTM D7624         >20         10.5         9.8         9.5           Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7         21.7         20.7           FLUID DEGRADATION         method         limit/base         current         history1         history           Oxidation         Abs/.1mm         *ASTM D7414         >25         16.4         15.9         15.6	CONTAMINAN						history2
Glycol         %         *ASTM D2982         ▲ 0.10         ▲ 0.10         ▲ 0.10           INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >3         1.5         1.3         1.1           Nitration         Abs/cm         *ASTM D7624         >20         10.5         9.8         9.5           Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7         21.7         20.7           FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         16.4         15.9         15.6		ITS	method	limit/base	current	history1	history2
INFRA-RED         method         limit/base         current         history1         history1           Soot %         %         *ASTM D7844         >3         1.5         1.3         1.1           Nitration         Abs/cm         *ASTM D7624         >20         10.5         9.8         9.5           Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7         21.7         20.7           FLUID DEGRADATION         method         limit/base         current         history1         history1           Oxidation         Abs/.1mm         *ASTM D7414         >25         16.4         15.9         15.6	Silicon	ITS ppm	method ASTM D5185m	limit/base	current 7	history1	history2
Soot %         %         *ASTM D7844         >3         1.5         1.3         1.1           Nitration         Abs/cm         *ASTM D7624         >20         10.5         9.8         9.5           Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7         21.7         20.7           FLUID DEGRADATION         method         limit/base         current         history1         history           Oxidation         Abs/.1mm         *ASTM D7414         >25         16.4         15.9         15.6	Silicon Sodium	ppm ppm	method ASTM D5185m ASTM D5185m	limit/base	current 7 ^ 246	history1 7 245	history2 7 246
Nitration         Abs/cm         *ASTM D7624         >20         10.5         9.8         9.5           Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7         21.7         20.7           FLUID DEGRADATION method limit/base current         history1         history1         history1           Oxidation         Abs/.1mm         *ASTM D7414         >25         16.4         15.9         15.6	Silicon Sodium Potassium	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 7 △ 246 △ 371	history1 7 245  374	history2 7 246  375
Sulfation         Abs/.1mm         *ASTM D7415         >30         22.7         21.7         20.7           FLUID DEGRADATION method limit/base current history1 history           Oxidation         Abs/.1mm         *ASTM D7414         >25         16.4         15.9         15.6	Silicon Sodium Potassium Glycol	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D2982	limit/base >25 >20	current 7 ▲ 246 ▲ 371 ▲ 0.10	history1  7  245  374  0.10	history2 7 246  375
FLUID DEGRADATION     method     limit/base     current     history1     history1       Oxidation     Abs/.1mm     *ASTM D7414     >25     16.4     15.9     15.6	Silicon Sodium Potassium Glycol INFRA-RED	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D5185m *ASTM D2982 method	limit/base	current  7  ▲ 246  ▲ 371  ▲ 0.10  current	history1  7  245  △ 374  △ 0.10  history1	history2  7  246  △ 375  △ 0.10  history2
Oxidation Abs/.1mm *ASTM D7414 >25 <b>16.4</b> 15.9 15.6	Silicon Sodium Potassium Glycol INFRA-RED Soot %	ppm ppm ppm %	method  ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D2982 method *ASTM D7844	limit/base >25 >20 limit/base >3	current  7  △ 246  △ 371  △ 0.10  current  1.5	history1  7  245  ▲ 374  ▲ 0.10  history1  1.3	history2 7 246 ▲ 375 ▲ 0.10 history2 1.1
	Silicon Sodium Potassium Glycol INFRA-RED Soot % Nitration	ppm ppm ppm %	method  ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D2982 method *ASTM D7844 *ASTM D7624	limit/base >25 >20 limit/base >3 >20	current  7  ▲ 246  ▲ 371  ▲ 0.10  current  1.5  10.5	history1  7  245  ▲ 374  ▲ 0.10  history1  1.3  9.8	history2  7  246  ▲ 375  ▲ 0.10  history2  1.1  9.5
Dogs Number (DN) (ON) (ON)	Silicon Sodium Potassium Glycol INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm % % Abs/cm Abs/.1mm	method ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D2982 method *ASTM D7844 *ASTM D7624 *ASTM D7415	limit/base >25	current  7  ▲ 246  ▲ 371  ▲ 0.10  current  1.5  10.5  22.7	history1  7  245  374  0.10  history1  1.3  9.8  21.7	history2  7  246  ▲ 375  ▲ 0.10  history2  1.1  9.5
<b>Base Number (BN)</b> mg KOH/g ASTM D2896 9.8 <b>8.3</b> 8.5 9.0	Silicon Sodium Potassium Glycol INFRA-RED Soot % Nitration Sulfation FLUID DEGRAE	ppm ppm % Abs/cm Abs/.1mm	method  ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D2982  method *ASTM D7844 *ASTM D7624 *ASTM D7415  method	limit/base >25 >20 limit/base >3 >20 >30 limit/base	current  7  ▲ 246  ▲ 371  ▲ 0.10  current  1.5  10.5  22.7  current	history1  7  245  △ 374  △ 0.10  history1  1.3  9.8  21.7  history1	history2  7  246  ▲ 375  ▲ 0.10  history2  1.1  9.5  20.7  history2

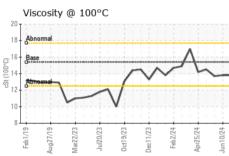


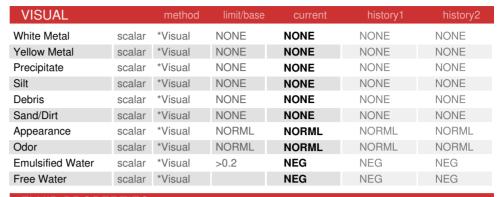
# **OIL ANALYSIS REPORT**





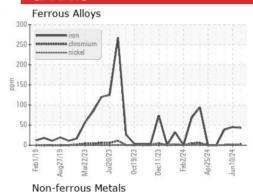


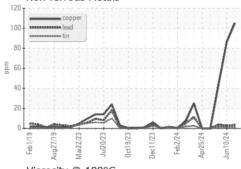


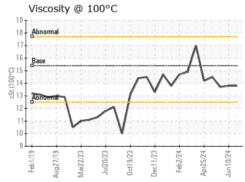


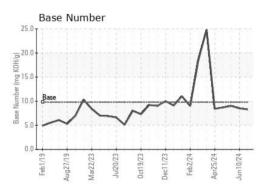
FLUID PROP	ERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	13.8	13.7

### **GRAPHS**













Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0121485 Lab Number : 06219297 Unique Number : 11097494

Received **Tested** Diagnosed

: 25 Jun 2024 : 26 Jun 2024 : 26 Jun 2024 - Jonathan Hester

GFL Environmental - 821 - Ozarks Hauling 33924 Olath Drive Lebanon, MO US 65536

Certificate 12367

Test Package : FLEET

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 $^st$  - 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)

landen.johnson@gflenv.com T: (417)664-0010

Contact: Landen Johnson