

## **OIL ANALYSIS REPORT**

Sample Rating Trend

VISCOSITY

Machine Id

### 728057-34

Component Diesel Engine Fluid PETRO CANADA DURON SHP 15W40 (--- GAL)

#### DIAGNOSIS

#### Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

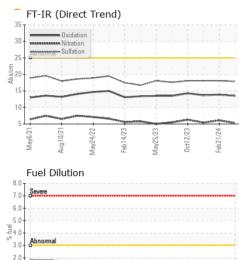
#### Fluid Condition

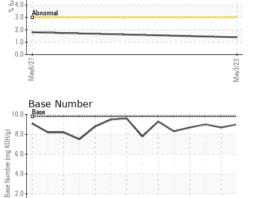
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

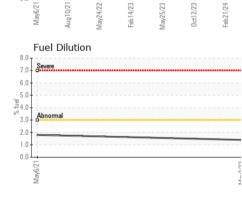
Sample Number         Client Info         GFL0121139         GFL0103143         GFL0091977           Sample Date         Client Info         10 May 2024         21 Fob 2024         20 Nov 2023           Machine Age         hrs         Client Info         17831         7654         17084           Oil Age         hrs         Client Info         1777         570         221           Oil Anged         Client Info         Changed         Changed         Changed         Changed           Sample Status         n         method         Innit Name         ATTENTION         ATTENTION           CONTAMINATION         method         Innit Name         NEG         NEG         NEG           Water         VC Method         >0.2         NEG         NEG         NEG           Vater         WC Method         >15         <1         <1         0           Nickel         ppm         ASTM D5155         >3         0         0         0           Nickel         ppm         ASTM D5155         >3         0         0         0           Aluminum         ppm         ASTM D5155         >3         0         0         0           Aluminum         ppm <t< th=""><th>SAMPLE INFORI</th><th>MATION</th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></t<>	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Machine Age         hrs         Client Info         17831         17654         17084           Oil Age         irrs         Client Info         177         570         221           Oil Changed         Changed         Changed         Changed         Changed         Changed           Sample Status         Imit/base         Current         History1         History2           Water         WC Method         >0.2         NEG         NEG         NEG           Wear         ppm         ASTM D585m<>150         7         12         8           Chromium         ppm         ASTM D585m<>4         0         0         0           Silver         ppm         ASTM D585m<>70         <1         <1         1           Lead         ppm         ASTM D585m<>55         0         <1         0         0           Vanadium         ppm         ASTM D585m         0         <1         0	Sample Number		Client Info		GFL0121139	GFL0103143	GFL0091977
Oil Age         hrs         Client Info         177         570         221           Oil Changed         Client Info         Changed         ATTENTION         ATTENTION         ATTENTION           Sample Status         Image         Image         ATTENTION         ATTENTION         ATTENTION           CONTAMINATION         method         Image         current         History1         History2           Water         WC Method         Sol         NEG         NEG         NEG           Glycol         WC Method         Sol         To         12         8           Chromium         ppm         ASTM DS185m         >150         7         12         8           Chromium         ppm         ASTM DS185m         >150         7         12         8           Chromium         ppm         ASTM DS185m         >15         <1         <1         0         0           Silver         ppm         ASTM DS185m         >5         0         <1         1         1           Lead         ppm         ASTM DS185m         >5         0         <1         0         0           Copper         ppm         ASTM DS185m         >5         0	Sample Date		Client Info		10 May 2024	21 Feb 2024	20 Nov 2023
Oil Changed Sample Status         Client Info         Changed ATTENTION         Changed ATTENTION         Changed ATTENTION         Changed ATTENTION         Changed ATTENTION         Changed ATTENTION         Changed ATTENTION         Changed ATTENTION         ATTENTION           CONTAMINATION         method         imit/base         current         History1         History2           Water         WC Method         >0.2         NEG         NEG         NEG           Water         WC Method         >0.2         NEG         NEG         NEG           Chromium         ppm         ASTM 05185m         >150         7         12         8           Chromium         ppm         ASTM 05185m         >150         -1         -1         0           Nickel         ppm         ASTM 05185m         >15         -1         -1         -1           Aluminum         ppm         ASTM 05185m         >15         -1         -1         -1           Copper         ppm         ASTM 05185m         >15         -1         -1         0           Vanadium         ppm         ASTM 05185m         >10         -1         0         0           Vanadium         ppm         ASTM 05185m         0	Machine Age	hrs	Client Info		17831	17654	17084
Sample Status         Image of the status         ATTENTION         ATTENTION         ATTENTION         ATTENTION           CONTAMINATION         method         imil/base         current         history1         history2           Water         WC Method         >0.2         NEG         NEG         NEG           Glycol         WC Method         >0.2         NEG         NEG         NEG           WEAR METALS         method         Imil/base         current         history1         history2           Iron         ppm         ASTM D518m         >150         7         12         8           Chromium         ppm         ASTM D518m         >150         <1         0         0           Nickel         ppm         ASTM D518m         >15         <1         <1         <1           Chromium         ppm         ASTM D518m         >15         <1         <1         <1           Cadadium         ppm         ASTM D518m         >15         0         0         0           Cadmium         ppm         ASTM D518m         >5         0         <1         0         0           Cadmium         ppm         ASTM D518m         0         17         <	Oil Age	hrs	Client Info		177	570	221
CONTAMINATION         method         limit/base         current         history1         history2           Water         WC Method         >0.2         NEG         NEG         NEG         NEG           Giycol         WC Method         >0.2         NEG         NEG         NEG         NEG           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5165m<>150         7         12         8           Nickel         ppm         ASTM D5165m<>4         0         0         0           Nickel         ppm         ASTM D5165m<>3         0         0         0           Silver         ppm         ASTM D5165m<>70         <1         <1         1           Lead         ppm         ASTM D5165m<>50         0         1         1           Copper         ppm         ASTM D5165m         <0         0         0           Cadmium         ppm         ASTM D5165m         <1         <1         1           Tin         ppm         ASTM D5165m         0         <1         0         0           Cadmium         ppm         ASTM D5165m         0<	Oil Changed		Client Info		Changed	Changed	Changed
Water         WC Method         >0.2         NEG         NEG         NEG         NEG           Glycol         WC Method         Imit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >150         7         12         8           Chromium         ppm         ASTM D5185m         >150         7         12         8           Chromium         ppm         ASTM D5185m         >15         <1	Sample Status				ATTENTION	ATTENTION	ATTENTION
Glycol         WC Method         NEC         NEG         NEG         NEG           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m<>150         7         12         8           Chromium         ppm         ASTM D5185m<>15         <1         <1         0         0           Nickel         ppm         ASTM D5185m<>3         0         0         0         0           Silver         ppm         ASTM D5185m<>3         0         0         0         0           Aluminum         ppm         ASTM D5185m<>15         <1         <1         <1         1           Lead         ppm         ASTM D5185m<>70         <1         0         0         0           Vanadium         ppm         ASTM D5185m         <0         <1         0         0           Cadmium         ppm         ASTM D5185m         <0         <1         0         0           ADDITIVES         method         limi/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         <1         <1         <1 <th>CONTAMINAT</th> <th>ION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	CONTAMINAT	ION	method	limit/base	current	history1	history2
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5165m         >150         7         12         8           Chromium         ppm         ASTM D5165m         >15         <1         <1         0           Nickel         ppm         ASTM D5165m         >4         0         0         0           Silver         ppm         ASTM D5165m         >3         0         0         0           Aluminum         ppm         ASTM D5165m         >15         <1         <1         <1           Lead         ppm         ASTM D5165m         >5         0         <11         1           Copper         ppm         ASTM D5165m         >5         0         <11         0           Vanadium         ppm         ASTM D5165m         0         17         7         3           Barium         ppm         ASTM D5165m         0         17         7         3           Barium         ppm         ASTM D5165m         0         0         0         0           Molybdenum         ppm         ASTM D5165m         0         1147         1004	Water		WC Method	>0.2	NEG	NEG	NEG
Iron         ppm         ASTM D5185m         >150         7         12         8           Chromium         ppm         ASTM D5185m         >15         <1	Glycol		WC Method		NEG	NEG	NEG
Chromium         ppm         ASTM D5185m         >15         <1	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel         ppm         ASTM D5185m         >4         0         0         0           Titanium         ppm         ASTM D5185m         >3         0         0         0           Silver         ppm         ASTM D5185m         >3         0         0         0           Aluminum         ppm         ASTM D5185m         >15         <1         <1         <1           Lead         ppm         ASTM D5185m         >70         <1         <1         <1           Copper         ppm         ASTM D5185m         >75         0         <1         0           Vanadium         ppm         ASTM D5185m         >5         0         <1         0         0           Cadmium         ppm         ASTM D5185m         0         17         7         3         3           Boron         ppm         ASTM D5185m         0         17         7         3         3           Magnese         ppm         ASTM D5185m         0         117         7         3           Galcium         ppm         ASTM D5185m         1010         983         874         1035           Caluium         ppm         ASTM D5185m	Iron	ppm	ASTM D5185m	>150	7	12	8
Titanium         ppm         ASTM D5185m         <1	Chromium	ppm	ASTM D5185m	>15	<1	<1	0
Silver         ppm         ASTM D5185m         >3         0         0         0           Aluminum         ppm         ASTM D5185m         >15         <1         <1         <1           Lead         ppm         ASTM D5185m         >70         <1         <1         <1           Copper         ppm         ASTM D5185m         >70         <1         <1         <1           Tin         ppm         ASTM D5185m         >5         0         <1         0           Vanadium         ppm         ASTM D5185m         >5         0         <1         0           Cadmium         ppm         ASTM D5185m          current         history1         history2           Boron         ppm         ASTM D5185m         0         17         7         3           Barium         ppm         ASTM D5185m         0         62         57         61           Manganese         ppm         ASTM D5185m         0         <1         <1         <1           Marganesium         ppm         ASTM D5185m         1070         1147         1004         1131           Phosphorus         ppm         ASTM D5185m         1070 <td< th=""><th>Nickel</th><th>ppm</th><th>ASTM D5185m</th><th>&gt;4</th><th>0</th><th>0</th><th>0</th></td<>	Nickel	ppm	ASTM D5185m	>4	0	0	0
Aluminum         ppm         ASTM D5185m         >15         <1	Titanium	ppm	ASTM D5185m		<1	0	0
Lead         ppm         ASTM D5185m         >70         <1	Silver	ppm	ASTM D5185m	>3		0	0
Copper         ppm         ASTM D5185m         >175         0         1         1           Tin         ppm         ASTM D5185m         >5         0         <1         0           Vanadium         ppm         ASTM D5185m         >5         0         <1         0           Cadmium         ppm         ASTM D5185m          0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         17         7         3           Barium         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         <1         <1         <1           Magnesium         ppm         ASTM D5185m         1010         983         874         1035           Calcium         ppm         ASTM D5185m         1070         1147         1004         1131           Phosphorus         ppm         ASTM D5185m         1270         1287         1109         1258           Sulfur         ppm         ASTM D5185m         260         3751 <th>Aluminum</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;15</th> <th></th> <th></th> <th></th>	Aluminum	ppm	ASTM D5185m	>15			
Tin         ppm         ASTM D5185m         >5         0         <1	Lead	ppm				<1	<1
Vanadium         ppm         ASTM D5185m         0         0         0           Cadmium         ppm         ASTM D5185m         <1         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         17         7         3           Barium         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         62         57         61           Magnaese         ppm         ASTM D5185m         0         <1         <1         <1         <1           Magnesium         ppm         ASTM D5185m         1010         983         874         1035           Calcium         ppm         ASTM D5185m         1070         1147         1004         1131           Phosphorus         ppm         ASTM D5185m         1070         1287         1109         1258           Sulfur         ppm         ASTM D5185m         2060         3751         2732         3291           CONTAMINANTS         method         limit/base         current <td< th=""><th>Copper</th><th>ppm</th><th>ASTM D5185m</th><th>&gt;175</th><th>0</th><th>1</th><th>1</th></td<>	Copper	ppm	ASTM D5185m	>175	0	1	1
Cadmium         ppm         ASTM D5185m         <1		ppm		>5	-		
ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         17         7         3           Barium         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         60         62         57         61           Manganese         ppm         ASTM D5185m         0         <1         <1         <1           Magnesium         ppm         ASTM D5185m         1010         983         874         1035           Calcium         ppm         ASTM D5185m         1070         1147         1004         1131           Phosphorus         ppm         ASTM D5185m         1270         1287         1109         1258           Sulfur         ppm         ASTM D5185m         2060         3751         2732         3291           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         <1         0         0           Fuel         %         ASTM D5185m         >20 <th>Vanadium</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>-</th> <th></th> <th></th>	Vanadium	ppm	ASTM D5185m		-		
Boron         ppm         ASTM D5185m         0         17         7         3           Barium         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         60         62         57         61           Manganese         ppm         ASTM D5185m         0         <1         <1         <1           Magnesium         ppm         ASTM D5185m         1010         983         874         1035           Calcium         ppm         ASTM D5185m         1010         983         874         1035           Calcium         ppm         ASTM D5185m         1070         1147         1004         1131           Phosphorus         ppm         ASTM D5185m         1270         1287         1109         1258           Sulfur         ppm         ASTM D5185m         2060         3751         2732         3291           CONTAMINANTS         method         Imit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         <1         0         0           Fuel         %         ASTM D5185m         >20	Cadmium	ppm	ASTM D5185m		<1	0	0
Barium         ppm         ASTM D5185m         0         0         0         0         0           Molybdenum         ppm         ASTM D5185m         60         62         57         61           Manganese         ppm         ASTM D5185m         0         <1         <1         <1           Magnesium         ppm         ASTM D5185m         1010         983         874         1035           Calcium         ppm         ASTM D5185m         1070         1147         1004         1131           Phosphorus         ppm         ASTM D5185m         1150         1090         966         1059           Zinc         ppm         ASTM D5185m         1270         1287         1109         1258           Sulfur         ppm         ASTM D5185m         2060         3751         2732         3291           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         <1         0         0           Fuel         ppm         ASTM D5185m         >20         <1         0         0         1.0           Fuel         ppm	ADDITIVES		method		current		
Molybdenum         ppm         ASTM D5185m         60         62         57         61           Manganese         ppm         ASTM D5185m         0         <1         <1         <1           Magnesium         ppm         ASTM D5185m         1010         983         874         1035           Calcium         ppm         ASTM D5185m         1010         983         874         1035           Calcium         ppm         ASTM D5185m         1070         1147         1004         1131           Phosphorus         ppm         ASTM D5185m         1070         1147         1004         1131           Phosphorus         ppm         ASTM D5185m         1270         1287         1109         1258           Sulfur         ppm         ASTM D5185m         2060         3751         2732         3291           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         3         3         4           Potassium         ppm         ASTM D5185m         >20         <1         0         0           Fuel         %         ASTM D5185	Boron	ppm					
Manganese         ppm         ASTM D5185m         0         <1		ppm			-		
Magnesium         ppm         ASTM D5185m         1010         983         874         1035           Calcium         ppm         ASTM D5185m         1070         1147         1004         1131           Phosphorus         ppm         ASTM D5185m         1150         1090         966         1059           Zinc         ppm         ASTM D5185m         1270         1287         1109         1258           Sulfur         ppm         ASTM D5185m         2060         3751         2732         3291           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         3         3         4           Potassium         ppm         ASTM D5185m         >20         <1         0         0           Fuel         %         ASTM D5185m         >20         <1         0         <1.0           Fuel         %         ASTM D5185m         >20         <1         0         <1.0           Fuel         %         ASTM D5185m         >20         <1         0         <1.0           Soot %         %         *ASTM D7844         >3 <th>-</th> <th></th> <th></th> <th></th> <th>-</th> <th></th> <th></th>	-				-		
Calcium         ppm         ASTM D5185m         1070         1147         1004         1131           Phosphorus         ppm         ASTM D5185m         1150         1090         966         1059           Zinc         ppm         ASTM D5185m         1270         1287         1109         1258           Sulfur         ppm         ASTM D5185m         2060         3751         2732         3291           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         3         3         5           Sodium         ppm         ASTM D5185m         >20         <1         0         0           Fuel         %         ASTM D5185m         >20         <1         0         0           Fuel         %         ASTM D5185m         >20         <1         0         0           Fuel         %         ASTM D3524         >3.0         <1.0         <1.0         <1.0           NFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >3         <	-						
Phosphorus         ppm         ASTM D5185m         1150         1090         966         1059           Zinc         ppm         ASTM D5185m         1270         1287         1109         1258           Sulfur         ppm         ASTM D5185m         2060 <b>3751</b> 2732         3291           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         3         3         5           Sodium         ppm         ASTM D5185m         >25         3         3         4           Potassium         ppm         ASTM D5185m         >20         <1	•						
Zinc         ppm         ASTM D5185m         1270         1287         1109         1258           Sulfur         ppm         ASTM D5185m         2060         3751         2732         3291           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         3         3         5           Sodium         ppm         ASTM D5185m         >20         3         3         4           Potassium         ppm         ASTM D5185m         >20         <1         0         0           Fuel         %         ASTM D5185m         >20         <1         0         <1.0           INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >3         0.1         0.1         0.1           Nitration         Abs/cm         *ASTM D7624         >20         5.3         6.1         5.4           Sulfation         Abs/.1mm         *ASTM D7415         >30         17.9         18.1         18.1           FLUID DEGRADATION         method         limit/base							
Sulfur         ppm         ASTM D5185m         2060         3751         2732         3291           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         3         3         5           Sodium         ppm         ASTM D5185m         >20         3         3         4           Potassium         ppm         ASTM D5185m         >20         <1         0         0           Fuel         %         ASTM D5185m         >20         <1         0         <1.0           INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >3         0.1         0.1         0.1           Nitration         Abs/cm         *ASTM D7624         >20         5.3         6.1         5.4           Sulfation         Abs/.tm         *ASTM D7415         >30         17.9         18.1         18.1           FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.tm         *ASTM D7414							
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         3         3         5           Sodium         ppm         ASTM D5185m         >25         3         3         4           Potassium         ppm         ASTM D5185m         >20         <1         0         0           Fuel         %         ASTM D3524         >3.0         <1.0         <1.0         <1.0           INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7624         >3         0.1         0.1         0.1           Nitration         Abs/cm         *ASTM D7624         >20         5.3         6.1         5.4           Sulfation         Abs/.tmm         *ASTM D7624         >20         5.3         6.1         18.1           FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.tmm         *ASTM D7414         >25         13.5         13.9         13.7							
Silicon         ppm         ASTM D5185m         >25         3         3         5           Sodium         ppm         ASTM D5185m         3         3         4           Potassium         ppm         ASTM D5185m         >20         <1         0         0           Fuel         %         ASTM D524         >3.0         <1.0         <1.0         <1.0           INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7644         >3         0.1         0.1         0.1           Nitration         Abs/cm         *ASTM D7624         >20         5.3         6.1         5.4           Sulfation         Abs/.1mm         *ASTM D7415         >30         17.9         18.1         18.1           FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         13.5         13.9         13.7		• •					
Sodium         ppm         ASTM D5185m         3         3         4           Potassium         ppm         ASTM D5185m<>20         <1         0         0           Fuel         %         ASTM D524         >3.0         <1.0							
Potassium         ppm         ASTM D5185m         >20         <1					-		
Fuel         %         ASTM D3524         >3.0         <1.0				>20			
Soot %         %         *ASTM D7844         >3         0.1         0.1         0.1           Nitration         Abs/cm         *ASTM D7624         >20         5.3         6.1         5.4           Sulfation         Abs/.1mm         *ASTM D7415         >30         17.9         18.1         18.1           FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         13.5         13.9         13.7							
Nitration         Abs/cm         *ASTM D7624         >20         5.3         6.1         5.4           Sulfation         Abs/.1mm         *ASTM D7415         >30         17.9         18.1         18.1           FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         13.5         13.9         13.7	INFRA-RED		method	limit/base	current	history1	history2
Nitration         Abs/cm         *ASTM D7624         >20         5.3         6.1         5.4           Sulfation         Abs/.1mm         *ASTM D7415         >30         17.9         18.1         18.1           FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         13.5         13.9         13.7	Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Sulfation         Abs/.1mm         *ASTM D7415         >30         17.9         18.1         18.1           FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         13.5         13.9         13.7							
Oxidation         Abs/.1mm         *ASTM D7414         >25         13.5         13.9         13.7							
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	13.5	13.9	13.7
	Base Number (BN)		ASTM D2896		9.0		



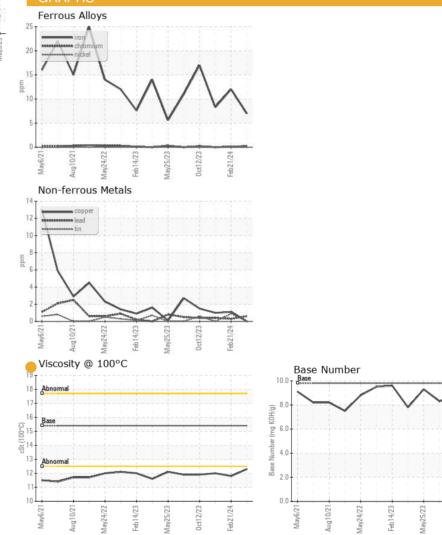
# **OIL ANALYSIS REPORT**







VISUAL						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	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	<b>12.3</b>	11.8	12.0
GRAPHS						



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 GFL Environmental - 683 - Ruckersville Hauling Sample No. 261 INDUSTRIAL DR : GFL0121139 Received : 13 May 2024 ÷ Lab Number : 06176880 Tested : 14 May 2024 Ruckersville, VA Unique Number : 11022933 Diagnosed : 14 May 2024 - Sean Felton US 22698 Test Package : FLEET ( Additional Tests: FuelDilution ) Contact: Jaf Finney Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. jfinney@gflenv.com T: (434)990-4972 \* - 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:

Submitted By: Jaf Finney Page 2 of 2

0ct12/23

Feb21/24