

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend

#### ALS



Component **Natural Gas Engine** 

PETRO CANADA DURON GEO LD 15W40 (30 QTS)

### 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

Sodium and/or potassium levels remain high. Test for glycol is negative.

#### Fluid Condition

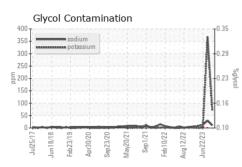
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

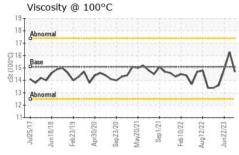
COOL CHEMICA

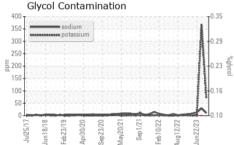
Sample Date     Client Info     13 Mar 2024     14 Sep 2023     22 Jun 2023       Machine Age     hrs     Client Info     16942     16358     15885       Oil Age     hrs     Client Info     600     600     600       Sample Status     Client Info     Changed     NEG     NEG     NEG       Water     WC Method     >0.1     NEG     NEG     NEG     NEG       Iron     ppm     ASTM 05165m     >50     19     23     24       Chromium     ppm     ASTM 05165m     >2     <1     2     1       Nickel     ppm     ASTM 05165m     >3     0     0     <1     2     1       Silver     ppm     ASTM 05165m     >30     10     2     10     <1     1     3       Silver     ppm     ASTM 05165m     >30     10     <1     <	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age     hrs     Client Info     16942     16358     15885       Oil Age     hrs     Client Info     600     600     600       Sample Status     Client Info     Changed     Changed     Changed     Changed       Sample Status     Method     Ilmit/base     current     history1     Mistory2       Water     WC Method     >0.1     NEG     NEG     NEG       Wetar     method     Ilmit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     19     23     24       Chromium     ppm     ASTM D5185m     >50     19     23     24       Chromium     ppm     ASTM D5185m     >50     19     23     24       Chromium     ppm     ASTM D5185m     >30     0     0     0       Silver     ppm     ASTM D5185m     >30     10     2     10       Copper     ppm     ASTM D5185m     >30     10     <1	Sample Number		Client Info		GFL0101791	GFL0074979	GFL0047433
Oil Age hrs Client Info 600 600 600   Oil Changed Client Info Changed Changed Changed   Sample Status Image Imaged SEVERE NORMAL   CONTAMINATION method Imit/base current history1 history2   Water WC Method >0.1 NEG NEG NEG   WEAR METALS method Imit/base current history1 history2   Iron ppm ASTM D5186 >50 19 23 24   Chromium ppm ASTM D5186 >2 <1	Sample Date		Client Info		13 Mar 2024	14 Sep 2023	22 Jun 2023
Oil Changed Sample StatusClient InfoChanged ABNORMALChanged SEVEREChanged NORMALCONTAMINATIONmethodlimit/basecurrenthistory1history2WaterWC Method>0.1NEGNEGNEGWEAR METALSmethodlimit/basecurrenthistory1history2IronppmASTM D5185n>50192324ChromiumppmASTM D5185n>2-121NickelppmASTM D5185n>2-10<1	Machine Age	hrs	Client Info		16942	16358	15885
Sample Status     Image     ABNORMAL     SEVERE     NORMAL       CONTAMINATION     method     limit/base     current     history1     history2       Water     WC Method     >0.1     NEG     NEG     NEG       Wear METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185n     >50     19     23     24       Chromium     ppm     ASTM D5185n     >2     <1	Oil Age	hrs	Client Info		600	600	600
CONTAMINATION     method     limit/base     current     history1     history2       Water     WC Method     >0.1     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     19     23     24       Chromium     ppm     ASTM D5185m     >2     <1	Oil Changed		Client Info		Changed	Changed	Changed
Water     WC Method     >0.1     NEG     NEG     NEG       WEAR METALS     method     limil/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     19     23     24       Chromium     ppm     ASTM D5185m     >2     <1	Sample Status				ABNORMAL	SEVERE	NORMAL
WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     19     23     24       Chromium     ppm     ASTM D5185m     >50     19     23     24       Chromium     ppm     ASTM D5185m     >2     <1	CONTAMINAT	ION	method	limit/base	current	history1	history2
Inn     ppm     ASTM D5185m     >50     19     23     24       Chromium     ppm     ASTM D5185m     >2     <1	Water		WC Method	>0.1	NEG	NEG	NEG
Chromium     ppm     ASTM D5185m     >4     3     3     5       Nickel     ppm     ASTM D5185m     >2     <1     2     1       Titanium     ppm     ASTM D5185m     >2     <1     0     <1       Silver     ppm     ASTM D5185m     >3     0     0     0       Auminum     ppm     ASTM D5185m     >30     10     2     10       Copper     ppm     ASTM D5185m     >30     10     2     10       Cadmium     ppm     ASTM D5185m     >30     10     2     10       Cadmium     ppm     ASTM D5185m     >35     1     1     4       Cadmium     ppm     ASTM D5185m     60     <14     6     13       Baraum     ppm     ASTM D5185m     50     14     46     13       Baraum     ppm     ASTM D5185m     50     61     55     69       Marganese     ppm     ASTM D5185m     560     625     615	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel     ppm     ASTM D5185m     >2     <1     2     1       Titanium     ppm     ASTM D5185m     >3     0     0     <1	Iron	ppm	ASTM D5185m	>50	19	23	24
Titanium     ppm     ASTM D5185m     <1     0     <1       Silver     ppm     ASTM D5185m     >3     0     0     0       Aluminum     ppm     ASTM D5185m     >30     10     2     8       Lead     ppm     ASTM D5185m     >30     10     2     10       Copper     ppm     ASTM D5185m     >35     1     1     4       Tin     ppm     ASTM D5185m     >35     1     1     3       Vanadium     ppm     ASTM D5185m     >4     1     1     3       Vanadium     ppm     ASTM D5185m     0     <1	Chromium	ppm	ASTM D5185m	>4	3	3	5
Silver     ppm     ASTM D5185m     >3     0     0     0       Aluminum     ppm     ASTM D5185m     >9     3     2     8       Lead     ppm     ASTM D5185m     >30     10     2     10       Copper     ppm     ASTM D5185m     >35     1     1     4       Tin     ppm     ASTM D5185m     >4     1     1     3       Vanadium     ppm     ASTM D5185m     >4     1     1     4       Cadmium     ppm     ASTM D5185m     0     0     <1     1       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     50     14     46     13       Barium     ppm     ASTM D5185m     50     61     13     4       Magnese     ppm     ASTM D5185m     50     61     14     4       Magnesium     ppm     ASTM D5185m     50     61     13 <th< td=""><td>Nickel</td><td>ppm</td><td>ASTM D5185m</td><td>&gt;2</td><th>&lt;1</th><td>2</td><td>1</td></th<>	Nickel	ppm	ASTM D5185m	>2	<1	2	1
Aluminum     ppm     ASTM D5185m     >9     3     2     8       Lead     ppm     ASTM D5185m     >30     10     2     10       Copper     ppm     ASTM D5185m     >35     1     1     4       Tin     ppm     ASTM D5185m     >4     1     1     3       Vanadium     ppm     ASTM D5185m     0     <1	Titanium	ppm	ASTM D5185m		<1	0	<1
Lead     ppm     ASTM D5185m     >30     10     2     10       Copper     ppm     ASTM D5185m     >35     1     1     4       Tin     ppm     ASTM D5185m     >4     1     1     3       Vanadium     ppm     ASTM D5185m     0     <1	Silver	ppm	ASTM D5185m	>3	0	0	0
Copper     ppm     ASTM D5185m     >35     1     1     4       Tin     ppm     ASTM D5185m     >4     1     1     3       Vanadium     ppm     ASTM D5185m     0     <1	Aluminum	ppm	ASTM D5185m	>9	3	2	8
Tin     ppm     ASTM D5185m     >4     1     1     3       Vanadium     ppm     ASTM D5185m     0     <1	Lead	ppm	ASTM D5185m	>30	10	2	10
Vanadium     ppm     ASTM D5185m     0     <1     <1       Cadmium     ppm     ASTM D5185m     0     <1     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     50     14     46     13       Barium     ppm     ASTM D5185m     50     14     46     13       Barium     ppm     ASTM D5185m     50     61     55     69       Maganese     ppm     ASTM D5185m     50     611     1     4       Magnesium     ppm     ASTM D5185m     50     625     615     775       Calcium     ppm     ASTM D5185m     1510     1787     1733     2096       Phosphorus     ppm     ASTM D5185m     870     1064     1087     1239       Sulfur     ppm     ASTM D5185m     2040     2561     2720     3257       CONTAMINANTS     method     limit/base     current     history1	Copper	ppm	ASTM D5185m	>35	1	1	4
Cadmium     ppm     ASTM D5185m     0     <1     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     50     14     46     13       Barium     ppm     ASTM D5185m     50     14     46     13       Barium     ppm     ASTM D5185m     50     61     55     69       Marganese     ppm     ASTM D5185m     50     61     1     4       Marganesum     ppm     ASTM D5185m     50     625     615     775       Calcium     ppm     ASTM D5185m     1510     1787     1733     2096       Phosphorus     ppm     ASTM D5185m     780     805     865     981       Zinc     ppm     ASTM D5185m     780     1084     1087     1239       Sulfur     ppm     ASTM D5185m     2040     2561     2720     3257       CONTAMINANT     ppm     ASTM D5185m     >+100 <th< td=""><td>Tin</td><td>ppm</td><td>ASTM D5185m</td><td>&gt;4</td><th>1</th><td>1</td><td>3</td></th<>	Tin	ppm	ASTM D5185m	>4	1	1	3
ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     50     14     46     13       Barium     ppm     ASTM D5185m     50     61     55     69       Manganese     ppm     ASTM D5185m     50     61     1     4       Magnesium     ppm     ASTM D5185m     560     625     615     775       Calcium     ppm     ASTM D5185m     560     625     615     775       Calcium     ppm     ASTM D5185m     780     805     865     981       Zinc     ppm     ASTM D5185m     780     805     865     981       Zinc     ppm     ASTM D5185m     2040     2561     2720     3257       CONTAMINANTS     method     limit/base     current     history1     history2       Sodium     ppm     ASTM D5185m     >4100     7     18     12       Sodium     ppm     ASTM D5185m     >20	Vanadium	ppm	ASTM D5185m		0	<1	<1
Boron     ppm     ASTM D5185m     50     14     46     13       Barium     ppm     ASTM D5185m     5     0     0     0       Molybdenum     ppm     ASTM D5185m     50     61     55     69       Manganese     ppm     ASTM D5185m     0     1     1     4       Magnesium     ppm     ASTM D5185m     560     625     615     775       Calcium     ppm     ASTM D5185m     1510     1787     1733     2096       Phosphorus     ppm     ASTM D5185m     780     805     865     981       Zinc     ppm     ASTM D5185m     780     805     865     981       Sulfur     ppm     ASTM D5185m     780     805     865     981       Sulfur     ppm     ASTM D5185m     780     805     865     981       Sulfur     ppm     ASTM D5185m     2040     2561     2720     3257       CONTAMINANTS     method     limit/base     <	Cadmium	ppm	ASTM D5185m		0	<1	0
Barium     ppm     ASTM D5185m     5     0     0     0       Molybdenum     ppm     ASTM D5185m     50     61     55     69       Manganese     ppm     ASTM D5185m     0     1     1     4       Magnesium     ppm     ASTM D5185m     560     625     615     775       Calcium     ppm     ASTM D5185m     1510     1787     1733     2096       Phosphorus     ppm     ASTM D5185m     780     805     865     981       Zinc     ppm     ASTM D5185m     780     805     865     981       Zinc     ppm     ASTM D5185m     780     805     865     981       Sulfur     ppm     ASTM D5185m     740     2720     3257       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >4100     7     18     12       Sodium     ppm     ASTM D5185m     >20     74 </td <td>ADDITIVES</td> <td></td> <td>method</td> <td>limit/base</td> <th>current</th> <td>history1</td> <td>history2</td>	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum     ppm     ASTM D5185m     50     61     55     69       Manganese     ppm     ASTM D5185m     0     1     1     4       Magnesium     ppm     ASTM D5185m     560     625     615     775       Calcium     ppm     ASTM D5185m     1510     1787     1733     2096       Phosphorus     ppm     ASTM D5185m     780     805     865     981       Zinc     ppm     ASTM D5185m     780     805     865     981       Zinc     ppm     ASTM D5185m     780     805     865     981       Zinc     ppm     ASTM D5185m     780     805     865     981       Sulfur     ppm     ASTM D5185m     2040     2561     2720     3257       CONTAMINANTS     method     limit/base     current     history1     history2       Solicon     ppm     ASTM D5185m     >20     74     368     2       Glycol     %     'ASTM D7844 <td< td=""><td>Boron</td><td>ppm</td><td>ASTM D5185m</td><td>50</td><th>14</th><td>46</td><td>13</td></td<>	Boron	ppm	ASTM D5185m	50	14	46	13
Manganese     ppm     ASTM D5185m     0     1     1     4       Magnesium     ppm     ASTM D5185m     560     625     615     775       Calcium     ppm     ASTM D5185m     1510     1787     1733     2096       Phosphorus     ppm     ASTM D5185m     780     805     865     981       Zinc     ppm     ASTM D5185m     770     1084     1087     1239       Sulfur     ppm     ASTM D5185m     2040     2561     2720     3257       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >4100     7     18     12       Sodium     ppm     ASTM D5185m     >20     74     368     2       Glycol     %     *ASTM D7844     0     0.10        INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     0     0	Barium	ppm	ASTM D5185m	5	0	0	0
Magnesium     ppm     ASTM D5185m     560     625     615     775       Calcium     ppm     ASTM D5185m     1510     1787     1733     2096       Phosphorus     ppm     ASTM D5185m     780     805     865     981       Zinc     ppm     ASTM D5185m     780     805     865     981       Zinc     ppm     ASTM D5185m     870     1084     1087     1239       Sulfur     ppm     ASTM D5185m     2040     2561     2720     3257       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >+100     7     18     12       Sodium     ppm     ASTM D5185m     >20     74     368     2       Glycol     %     *ASTM D7844     0     0.10        INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     0     <	Molybdenum	ppm			-	55	
Calcium     ppm     ASTM D5185m     1510     1787     1733     2096       Phosphorus     ppm     ASTM D5185m     780     805     865     981       Zinc     ppm     ASTM D5185m     870     1084     1087     1239       Sulfur     ppm     ASTM D5185m     2040     2561     2720     3257       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >+100     7     18     12       Sodium     ppm     ASTM D5185m     >+20     74     368     2       Glycol     %     *ASTM D2982      0.10        INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     0     0.10        INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7624     >20     12.6	Manganese	ppm					
Phosphorus     ppm     ASTM D5185m     780     805     865     981       Zinc     ppm     ASTM D5185m     870     1084     1087     1239       Sulfur     ppm     ASTM D5185m     2040     2561     2720     3257       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >+100     7     18     12       Sodium     ppm     ASTM D5185m     >+100     7     18     12       Sodium     ppm     ASTM D5185m     >+20 <b>74</b> ▲ 368     2       Glycol     %     *ASTM D5185m     >20 <b>74</b> ▲ 368     2       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     0     0.10        INFRA-RED     *ASTM D7624     >20     12.6     18.6     12.1       Sulfation     Abs/.tmm     *ASTM D7415     >30     26.3	Magnesium	ppm					
Zinc     ppm     ASTM D5185m     870     1084     1087     1239       Sulfur     ppm     ASTM D5185m     2040     2561     2720     3257       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >+100     7     18     12       Sodium     ppm     ASTM D5185m     >+100     7     18     12       Sodium     ppm     ASTM D5185m     >+100     7     18     12       Sodium     ppm     ASTM D5185m     >20 <b>74</b> ▲ 368     2       Glycol     %     *ASTM D2982      ▲ 0.10        INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7624     >20     12.6     18.6     12.1       Sulfation     Abs/.mm     *ASTM D7415     >30     26.3     13.4     27.7       FLUID DEGRADATION     method     limit/base		ppm			-		
Sulfur     ppm     ASTM D5185m     2040     2561     2720     3257       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >+100     7     18     12       Sodium     ppm     ASTM D5185m     >+100     7     18     12       Sodium     ppm     ASTM D5185m     >+20     74     368     2       Glycol     %     *ASTM D2982      0.10        INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     0     0.1     0.1       Nitration     Abs/cm     *ASTM D7624     >20     12.6     18.6     12.1       Sulfation     Abs/.1mm     *ASTM D7415     >30     26.3     13.4     27.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25		ppm					
CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >+100     7     18     12       Sodium     ppm     ASTM D5185m     >+100     7     18     12       Sodium     ppm     ASTM D5185m     >+100     7     18     12       Potassium     ppm     ASTM D5185m     >20     74     368     2       Glycol     %     *ASTM D2982      0.10        INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     0     0.11     0.1       Nitration     Abs/cm     *ASTM D7624     >20     12.6     18.6     12.1       Sulfation     Abs/.1mm     *ASTM D7415     >30     26.3     13.4     27.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     <		ppm					
Silicon   ppm   ASTM D5185m   >+100   7   18   12     Sodium   ppm   ASTM D5185m   11   29   13     Potassium   ppm   ASTM D5185m   >20   74   368   2     Glycol   %   *ASTM D2982    0.10      INFRA-RED   method   limit/base   current   history1   history2     Soot %   %   *ASTM D7844   0   0.1   0.1     Nitration   Abs/cm   *ASTM D7624   >20   12.6   18.6   12.1     Sulfation   Abs/.tmm   *ASTM D7415   >30   26.3   13.4   27.7     FLUID DEGRADATION   method   limit/base   current   history1   history2     Oxidation   Abs/.tmm   *ASTM D7414   >25   22.3   24.0   23.3	Sulfur	ppm	ASTM D5185m	2040	2561	2720	3257
Sodium     ppm     ASTM D5185m     11     29     13       Potassium     ppm     ASTM D5185m     >20     74     368     2       Glycol     %     *ASTM D2982      0.10        INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     0     0.1     0.1       Nitration     Abs/cm     *ASTM D7624     >20     12.6     18.6     12.1       Sulfation     Abs/.1mm     *ASTM D7415     >30     26.3     13.4     27.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     22.3     24.0     23.3	CONTAMINAN	TS	method	limit/base	current	history1	history2
Potassium     ppm     ASTM D5185m     >20     ▲ 74     ▲ 368     2       Glycol     %     *ASTM D2982     ▲     74     ▲ 368     2       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     0     0.10     0.1       Nitration     Abs/cm     *ASTM D7624     >20     12.6     18.6     12.1       Sulfation     Abs/.1mm     *ASTM D7415     >30     26.3     13.4     27.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     22.3     24.0     23.3	Silicon	ppm	ASTM D5185m	>+100	7	18	12
Glycol     %     *ASTM D2982      ▲ 0.10        INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     0     0.10     0.1       Nitration     Abs/cm     *ASTM D7624     >20     12.6     18.6     12.1       Sulfation     Abs/.1mm     *ASTM D7415     >30     26.3     13.4     27.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     22.3     24.0     23.3	Sodium	ppm			11		13
INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     0     0.1     0.1       Nitration     Abs/cm     *ASTM D7624     >20     12.6     18.6     12.1       Sulfation     Abs/.tmm     *ASTM D7415     >30     26.3     13.4     27.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.tmm     *ASTM D7414     >25     22.3     24.0     23.3	Potassium	ppm	ASTM D5185m	>20	<u> </u>		2
Soot %     %     *ASTM D7844     0     0.1     0.1       Nitration     Abs/cm     *ASTM D7624     >20     12.6     18.6     12.1       Sulfation     Abs/.1mm     *ASTM D7415     >30     26.3     13.4     27.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     22.3     24.0     23.3	Glycol	%	*ASTM D2982			▲ 0.10	
Nitration     Abs/cm     *ASTM D7624     >20     12.6     18.6     12.1       Sulfation     Abs/.1mm     *ASTM D7415     >30     26.3     13.4     27.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     22.3     24.0     23.3	INFRA-RED		method	limit/base	current	history1	history2
Sulfation     Abs/.1mm     *ASTM D7415     >30     26.3     13.4     27.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     22.3     24.0     23.3	Soot %	%	*ASTM D7844		0	0.1	0.1
FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     22.3     24.0     23.3	Nitration	Abs/cm	*ASTM D7624	>20	12.6	18.6	12.1
Oxidation Abs/.1mm *ASTM D7414 >25 22.3 24.0 23.3	Sulfation	Abs/.1mm	*ASTM D7415	>30	26.3	13.4	27.7
	FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 10.2 3.9 31.3 4.8	Oxidation	Abs/.1mm	*ASTM D7414	>25	22.3	24.0	23.3
	Base Number (BN)		ASTM D2896	10.2	3.9	31.3	4.8



# **OIL ANALYSIS REPORT**



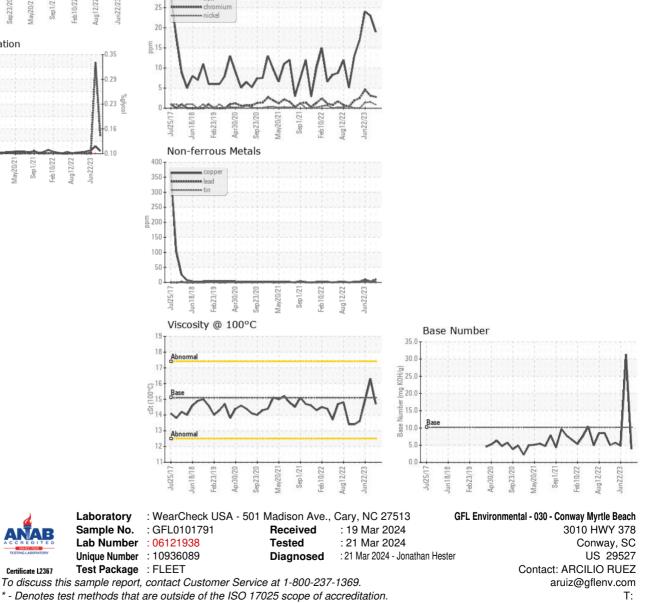




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	▲ 0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.7	16.3	14.9
GRAPHS						

Ferrous Alloys

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

Submitted By: TECHNICIAN ACCOUNT

F: