

## **OIL ANALYSIS REPORT**

Sample Rating Trend

Jan2022 Jun2022 Nov2022 Apr2023 Sep2023





Machine Id DT757 Component

Component Rear Differential Fluid

CHEVRON DELO SYNTHETIC GEAR 75W90 (--- QTS)

### DIAGNOSIS

#### Recommendation

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

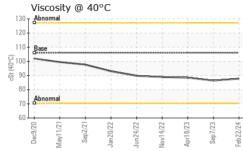
The condition of the oil is acceptable for the time in service.

| Machine Age     mls     Client Info     228520     201455     175242       Oil Age     mls     Client Info     24894     24994     24958       Oil Changed     Client Info     Changed     NORMAL     NORMAL     NORMAL       Sample Status     method     imit/base     current     history1     history2       Water     WC Method     >.2     NEG     NEG     NEG       Vetar     method     imit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >1200     155     144     95       Chromium     ppm     ASTM D5185m     >20     7     7     5       Titanium     ppm     ASTM D5185m     >20     7     7     5       Silver     ppm     ASTM D5185m     >20     7     1     0     0       Aluminum     ppm     ASTM D5185m     >25     1     0     0     0       Aluminum     ppm     ASTM D5185m     \$50<<<1     0   | SAMPLE INFORM   | MATION | method      | limit/base  | current     | history1    | history2    |   |
|---|-----------------|--------|-------------|-------------|-------------|-------------|-------------|---|
| Machine Age     mis     Client Info     228520     201455     175242       Oil Age     mils     Client Info     24894     24994     24958       Oil Changed     Kot Changed     Not Changed     N/A     NoRMAL     < | Sample Number   |        | Client Info |             | PCA0100079  | PCA0104143  | PCA0095683  |   |
| Oil Age mis Client Info 24894 24894 24958   Oil Changed Client Info Changed Not Changed N/A   Sample Status Imit Dist Imit Dist Current NoRMAL NORMAL NORMAL   CONTAMINATION method imit/base current history1 history2   Water WC Method .2 NEG NEG NEG   WEAR METALS method imit/base current history1 history2   Iron ppm ASTM D5185m >1200 155 144 95   Chromium ppm ASTM D5185m >20 7 7 5   Titanium ppm ASTM D5185m >20 7 7 5   Titanium ppm ASTM D5185m >30 3 3 0   Lead ppm ASTM D5185m >50 <1 0 0   Copper ppm ASTM D5185m >55 <1 0 0   Cadmium ppm ASTM D5185m 55 <1 0 0   Cadmium ppm ASTM D5185m 211 249 244   Barium ppm ASTM D5185m <td< th=""><th>Sample Date</th><th></th><th>Client Info</th><th></th><th>22 Feb 2024</th><th>07 Sep 2023</th><th>18 Apr 2023</th></td<>   | Sample Date     |        | Client Info |             | 22 Feb 2024 | 07 Sep 2023 | 18 Apr 2023 |   |
| Oil Changed<br>Sample Status Client Info Changed<br>NORMAL N/A<br>NORMAL N/A<br>NORMAL   CONTAMINATION method limit/base current history1 history2   Water WC Method >.2 NEG NEG NEG   WEAR METALS method limit/base current history1 history2   Iron ppm ASTM D5185m >1200 155 144 95   Chromium ppm ASTM D5185m >20 7 7 5   Titanium ppm ASTM D5185m >20 7 7 5   Silver ppm ASTM D5185m >30 3 3 0   Gopper ppm ASTM D5185m >50 <1   | Machine Age     | mls    | Client Info |             | 228520      | 201455      | 175242      |   |
| Sample Status     NORMAL     NORMAL     NORMAL     NORMAL       CONTAMINATION     method     limit/base     current     history1     history2       Water     WC Method     >.2     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >1200     155     144     95       Chromium     ppm     ASTM D5185m     >20     7     7     5       Silver     ppm     ASTM D5185m     >4     <1   | Oil Age         | mls    | Client Info |             | 24894       | 24894       | 24958       |   |
| CONTAMINATION     method     limit/base     current     history1     history2       Water     WC Method     >.2     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >88     <1     <1     1       Nickel     ppm     ASTM D5185m     >88     <1     <1     0       Silver     ppm     ASTM D5185m     >20     7     7     5       Titanium     ppm     ASTM D5185m     >30     3     3     0     0       Lead     ppm     ASTM D5185m     >50     <1     0     0     0       Cadmium     ppm     ASTM D5185m     >50     <1     0     0     0       Cadmium     ppm     ASTM D5185m     >50     <1     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0     0       Cadmium     ppm <td< th=""><th>Oil Changed</th><th></th><th>Client Info</th><th></th><th>Changed</th><th>Not Changd</th><th>N/A</th></td<>                          | Oil Changed     |        | Client Info |             | Changed     | Not Changd  | N/A         |   |
| WaterWC Method>.2NEGNEGNEGWEAR METALSmethodimit/basecurrenthistory1history2IronppmASTM D5185m>120015514495OthromiumppmASTM D5185m>20775NickelppmASTM D5185m>20775TitaniumppmASTM D5185m>20775SilverppmASTM D5185m>20770AuminumppmASTM D5185m>30330LeadppmASTM D5185m>50<100CopperppmASTM D5185m>50<100CadmiumppmASTM D5185m55<100ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m211249244BariumppmASTM D5185m21124924BariumppmASTM D5185m101119112CalciumppmASTM D5185m127113711322ZincppmASTM D5185m127113711322ZincppmASTM D5185m127113711322ZincppmASTM D5185m220526049SodiumppmASTM D5185m230526049SodiumppmASTM D5185m23052 <t< th=""><th>Sample Status</th><th></th><th></th><th></th><th>NORMAL</th><th>NORMAL</th><th>NORMAL</th></t<>  | Sample Status   |        |             |             | NORMAL      | NORMAL      | NORMAL      |   |
| WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >1200     155     144     95       Chromium     ppm     ASTM D5185m     >88     <1     <1     <1       Nickel     ppm     ASTM D5185m     >20     7     7     5       Titanium     ppm     ASTM D5185m     >4     <1     <1     0       Silver     ppm     ASTM D5185m     >30     3     3     0       Lead     ppm     ASTM D5185m     >25     1     0     0     0       Copper     ppm     ASTM D5185m     >5     <1     0     0     0       Vanadium     ppm     ASTM D5185m     0     <1     0     0     0       Vanadium     ppm     ASTM D5185m     211     249     244       Barium     ppm     ASTM D5185m     101     119     112       Calcium     ppm     ASTM D5185m     162 <td< th=""><th colspan="2">CONTAMINATION</th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></td<>             | CONTAMINATION   |        | method      | limit/base  | current     | history1    | history2    |   |
| Iron     ppm     ASTM D5185m     >1200     155     144     95       Chromium     ppm     ASTM D5185m     >8     <1     <1     <1       Nickel     ppm     ASTM D5185m     >20     7     7     5       Titanium     ppm     ASTM D5185m     >4     <1     0     0       Silver     ppm     ASTM D5185m     >20     7     7     5       Aluminum     ppm     ASTM D5185m     >25     1     0     0       Lead     ppm     ASTM D5185m     >50     <1     0     0       Copper     ppm     ASTM D5185m     >50     <1     0     0       Cadmium     ppm     ASTM D5185m     >50     <1     0     0       Cadmium     ppm     ASTM D5185m     5     <1     0     0       Manganese     ppm     ASTM D5185m     211     249     244       Barium     ppm     ASTM D5185m     22     2     1  M   | Water           |        | WC Method   | >.2         | NEG         | NEG         | NEG         |   |
| Chromium     ppm     ASTM D5185m     >8     <1  | WEAR METALS     | S      | method      | limit/base  | current     | history1    | history2    |   |
| Nickel     ppm     ASTM D5185m     >20     7     7     5       Titanium     ppm     ASTM D5185m     >4     <1     0     0       Silver     ppm     ASTM D5185m     0     0     0     0       Aluminum     ppm     ASTM D5185m     >30     3     0     0       Lead     ppm     ASTM D5185m     >25     1     0     0     0       Copper     ppm     ASTM D5185m     >50     <1     0     0     0       Vanadium     ppm     ASTM D5185m     >5     <1     0     0     0       Vanadium     ppm     ASTM D5185m     5     <1     0     0     0       Cadmium     ppm     ASTM D5185m     211     249     244       Barium     ppm     ASTM D5185m     101     119     112       Galeium     ppm     ASTM D5185m     1271     1371     1322       Magnesium     ppm     ASTM D5185m     1271     137  | Iron            | ppm    | ASTM D5185m | >1200       | 155         | 144         | 95          |   |
| Titanium     ppm     ASTM D5185m     >4     <1  | Chromium        | ppm    | ASTM D5185m | >8          | <1          | <1          | <1          |   |
| SilverppmASTM D5185m0000AluminumppmASTM D5185m>30330LeadppmASTM D5185m>25100CopperppmASTM D5185m>50<100TinppmASTM D5185m>5<100VanadiumppmASTM D5185m0000CadmiumppmASTM D5185m0000ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m211249244BariumppmASTM D5185m000MolybdenumppmASTM D5185m221MagnesiumppmASTM D5185m101119112CalciumppmASTM D5185m1011191322ZincppmASTM D5185m127113711322ZincppmASTM D5185m195272525422992CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>230526049SodiumppmASTM D5185m200<1< <td>&lt;1</td> Precipitatescalar"VisualNONENONENONENONEVisloalNONENONENONENONENONENONENONESilitscalar"VisualNONE <th>Nickel</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;20</th> <th>7</th> <th>7</th> <th>5</th>   | <1              | Nickel | ppm         | ASTM D5185m | >20         | 7           | 7           | 5 |
| Aluminum     ppm     ASTM D5185m     >30     3     3     0       Lead     ppm     ASTM D5185m     >25     1     0     0       Copper     ppm     ASTM D5185m     >50     <1     0     0       Tin     ppm     ASTM D5185m     >5     <1     0     0       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     211     249     244       Barium     ppm     ASTM D5185m     0     0     0       Magnesea     ppm     ASTM D5185m     2     2     1       Magnesium     ppm     ASTM D5185m     162     177     169       Phosphorus     ppm     ASTM D5185m     19527     25254     22992       CONTAMINANTS     method   | Titanium        | ppm    | ASTM D5185m | >4          | <1          | <1          | 0           |   |
| Lead     ppm     ASTM D5185m     >25     1     0     0       Copper     ppm     ASTM D5185m     >50     <1     0     <1       Tin     ppm     ASTM D5185m     >5     <1     0     0       Vanadium     ppm     ASTM D5185m     >5     <1     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     211     249     244       Barium     ppm     ASTM D5185m     0     0     0       Magnese     ppm     ASTM D5185m     2     2     1       Magnesium     ppm     ASTM D5185m     101     119     112       Calcium     ppm     ASTM D5185m     19527     25254     22992       Zinc     ppm     ASTM D5185m     >230     52     60     49  Sulfur     ppm     ASTM D5185m<   | Silver          | ppm    | ASTM D5185m |             | 0           | 0           | 0           |   |
| LeadppmASTM D5185m>25100CopperppmASTM D5185m>50<10<1TinppmASTM D5185m>5<100VanadiumppmASTM D5185m0000CadmiumppmASTM D5185m0000ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m211249244BariumppmASTM D5185m889MaganeseppmASTM D5185m889MaganesiumppmASTM D5185m101119112CalciumppmASTM D5185m1621777169PhosphorusppmASTM D5185m127113711322ZincppmASTM D5185m195272525422992CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>230526049SodiumppmASTM D5185m>230526049SodiumppmASTM D5185m>200<1<1VISUALmethodlimit/basecurrenthistory1history2VisualNONENONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*Visual <t< th=""><th>Aluminum</th><th></th><th>ASTM D5185m</th><th>&gt;30</th><th>3</th><th>3</th><th>0</th></t<>  | Aluminum        |        | ASTM D5185m | >30         | 3           | 3           | 0           |   |
| Copper     ppm     ASTM D5185m     >50     <1   | Lead            | ppm    | ASTM D5185m | >25         | 1           | 0           | 0           |   |
| Tin     ppm     ASTM D5185m     >5     <1   | Copper          |        | ASTM D5185m | >50         | <1          | 0           | <1          |   |
| VanadiumppmASTM D5185m0000CadmiumppmASTM D5185m0000ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m211249244BariumppmASTM D5185m000MolybdenumppmASTM D5185m000MagneseeppmASTM D5185m221MagnesiumppmASTM D5185m101119112CalciumppmASTM D5185m1621777169PhosphorusppmASTM D5185m127113711322ZincppmASTM D5185m195272525422992CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>230526049SodiumppmASTM D5185m>200<1<1PotassiumppmASTM D5185m>200<1<1VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONE <th>Tin</th> <th></th> <th>ASTM D5185m</th> <th>&gt;5</th> <th>&lt;1</th> <th>0</th> <th>0</th>   | Tin             |        | ASTM D5185m | >5          | <1          | 0           | 0           |   |
| CadmiumppmASTM D5185m000ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m211249244BariumppmASTM D5185m000MolybdenumppmASTM D5185m889ManganeseppmASTM D5185m221MagnesiumppmASTM D5185m101119112CalciumppmASTM D5185m162177169PhosphorusppmASTM D5185m127113711322ZincppmASTM D5185m195272525422992CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m200<1<1VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONE  | Vanadium        |        | ASTM D5185m |             | 0           | 0           | 0           |   |
| BoronppmASTM D5185m211249244BariumppmASTM D5185m0000MolybdenumppmASTM D5185m889ManganeseppmASTM D5185m221MagnesiumppmASTM D5185m101119112CalciumppmASTM D5185m101119127CalciumppmASTM D5185m162177169PhosphorusppmASTM D5185m127113711322ZincppmASTM D5185m195272525422992CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m230526049SodiumppmASTM D5185m200<1<1VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONE  | Cadmium         |        |             |             | 0           |             |             |   |
| BariumppmASTM D5185m000MolybdenumppmASTM D5185m889ManganeseppmASTM D5185m221MagnesiumppmASTM D5185m101119112CalciumppmASTM D5185m162177169PhosphorusppmASTM D5185m127113711322ZincppmASTM D5185m147167174SulfurppmASTM D5185m195272525422992CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m222<1PotassiumppmASTM D5185m2200<1<1VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONENONESiltscalar*VisualNONENONENONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONENONENONE  | ADDITIVES       |        | method      | limit/base  | current     | history1    | history2    |   |
| MolybdenumppmASTM D5185m889ManganeseppmASTM D5185m221MagnesiumppmASTM D5185m101119112CalciumppmASTM D5185m162177169PhosphorusppmASTM D5185m127113711322ZincppmASTM D5185m147167174SulfurppmASTM D5185m195272525422992CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m200<1<1PotassiumppmASTM D5185m200<1<1VISUALmethodlimit/basecurrenthistory1history2VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONENONEPiebrisscalar*VisualNONENONENONENONENONENONE   | Boron           | ppm    | ASTM D5185m |             | 211         | 249         | 244         |   |
| MolybdenumppmASTM D5185m889ManganeseppmASTM D5185m221MagnesiumppmASTM D5185m101119112CalciumppmASTM D5185m162177169PhosphorusppmASTM D5185m127113711322ZincppmASTM D5185m147167174SulfurppmASTM D5185m195272525422992CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m200<1<1PotassiumppmASTM D5185m200<1<1VISUALmethodlimit/basecurrenthistory1history2VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONENONEPiebrisscalar*VisualNONENONENONENONENONENONE   | Barium          |        | ASTM D5185m |             | 0           | 0           | 0           |   |
| ManganeseppmASTM D5185m221MagnesiumppmASTM D5185m101119112CalciumppmASTM D5185m162177169PhosphorusppmASTM D5185m127113711322ZincppmASTM D5185m147167174SulfurppmASTM D5185m195272525422992CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m230526049SodiumppmASTM D5185m>230526049SodiumppmASTM D5185m>200<1<1VISUALmethodlimit/basecurrenthistory1history2Vhite Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONENONE  | Molybdenum      |        | ASTM D5185m |             | 8           |             | 9           |   |
| MagnesiumppmASTM D5185m101119112CalciumppmASTM D5185m162177169PhosphorusppmASTM D5185m127113711322ZincppmASTM D5185m147167174SulfurppmASTM D5185m195272525422992CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>230526049SodiumppmASTM D5185m222<1PotassiumppmASTM D5185m>200<1<1VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONE  | •               |        | ASTM D5185m |             |             | 2           | 1           |   |
| CalciumppmASTM D5185m162177169PhosphorusppmASTM D5185m127113711322ZincppmASTM D5185m147167174SulfurppmASTM D5185m195272525422992CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>230526049SodiumppmASTM D5185m>200<1<1VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONELIGHTNONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONE  | -               |        | ASTM D5185m |             | 101         | 119         | 112         |   |
| PhosphorusppmASTM D5185m127113711322ZincppmASTM D5185m147167174SulfurppmASTM D5185m195272525422992CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>230526049SodiumppmASTM D5185m222<1PotassiumppmASTM D5185m>200<1<1VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONELIGHTNONEYellow Metalscalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONENONESiltscalar*VisualNONENONENONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONENONE   | 0               |        |             |             |             |             |             |   |
| ZincppmASTM D5185m147167174SulfurppmASTM D5185m195272525422992CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>230526049SodiumppmASTM D5185m>200<1<1PotassiumppmASTM D5185m>200<1<1VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONELIGHTNONEYellow Metalscalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONE  |                 |        |             |             |             |             |             |   |
| SulfurppmASTM D5185m195272525422992CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>230526049SodiumppmASTM D5185m>200<1<1PotassiumppmASTM D5185m>200<1<1VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONE   |                 |        |             |             |             |             |             |   |
| SiliconppmASTM D5185m>230526049SodiumppmASTM D5185m22<1PotassiumppmASTM D5185m>200<1<1VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONELIGHTNONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONE  |                 |        |             |             |             |             |             |   |
| SiliconppmASTM D5185m>230526049SodiumppmASTM D5185m22<1PotassiumppmASTM D5185m>200<1<1VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONELIGHTNONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONE  | CONTAMINAN      | TS     | method      | limit/base  | current     | history1    | history2    |   |
| SodiumppmASTM D5185m22<1  |                 |        | ASTM D5185m | >230        | 52          |             |             |   |
| PotassiumppmASTM D5185m>200<1   | Sodium          |        | ASTM D5185m |             | 2           | 2           | <1          |   |
| White Metalscalar*VisualNONENONELIGHTNONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONE   | Potassium       |        |             | >20         | 0           | <1          |             |   |
| Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONE  | VISUAL          |        | method      | limit/base  | current     | history1    | history2    |   |
| Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONE  | White Metal     | scalar | *Visual     | NONE        | NONE        | LIGHT       | NONE        |   |
| Precipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONE   | Yellow Metal    |        | *Visual     |             |             |             |             |   |
| Siltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONE   | Precipitate     |        |             |             |             |             |             |   |
| Debris scalar *Visual NONE LIGHT NONE NONE  | Silt            |        |             |             |             |             |             |   |
|   |                 |        |             |             |             |             |             |   |
|   |                 |        |             |             |             |             |             |   |
| Appearance scalar *Visual NORML NORML NORML NORML   |                 |        |             |             |             |             |             |   |
|   | Odor            |        |             |             |             |             |             |   |
| Emulsified Water scalar *Visual >.2 <b>NEG</b> NEG NEG  |                 |        |             |             |             |             |             |   |
|   | Free Water      |        |             | - 1 ha      |             |             |             |   |
|   | 1:33:40) Rev: 1 | 500101 | VIGUUI      |             |             |             |             |   |



# **OIL ANALYSIS REPORT**

FLUID PROPERTIES method limit/base



|   |  | 'ERHES m                       | ethod limit/base  |           | history1                          | history2  |
|---|--|--------------------------------|---|-----------|-----------------------------------|---|
|   | Visc @ 40°C  | cSt AST                        | M D445 106  | 87.8      | 86.4                              | 88.5  |
|   | SAMPLE IMA   | AGES m                         | ethod limit/base  | current   | history1                          | history2  |
| 23  | Color  |                                |   | no image  | no image                          | no image  |
| Apr18/23<br>Sep7/23<br>Feb22/24   | Bottom   |                                |   | no image  | no image                          | no image  |
| Laboratory  | Non-ferrous Me   | tals                           | e. Carv NC 27513  | NW WH     |                                   |   |
| Sample No.<br>Lab Number<br>Jnique Number<br>Test Package<br>sample report, | : PCA0100079<br>: 06100480<br>: 10898710<br>: FLEET<br>contact Customer Se | Received<br>Tested<br>Diagnose | : 26 Feb 2024<br>: 27 Feb 2024<br>d : 27 Feb 2024 - V<br>37-1369. | Ves Davis | 100 INDEPEN<br>(<br>Contact: GEOR | NDENCE BLVD<br>COLUMBIA, SC<br>US 29210<br>GE EDWARDS<br>@nwwhite.com |
|   | are outside of the ISC   |                                |   |           | 6.0010)                           | T:<br>F'  |

Test Certificate L2367 To discuss this sam  $^{\ast}$  - 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)

Submitted By: Paul Riddick

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