

# **OIL ANALYSIS REPORT**

Sample Rating Trend





## Component

Diesel Engine

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

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

Metal levels are typical for a new component breaking in.

#### Contamination

There is no indication of any contamination in the oil.

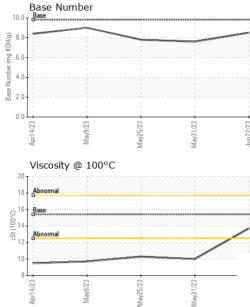
#### Fluid Condition

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

| IATION            | method                                  |   |   | history 1  | history 2   |
|-------------------|---|---|---|--|---|
|                   |   |   |   |  | Thistory Z  |
|                   | Client Info                             |   | GFL0082679  | GFL0082675   | GFL0082690  |
|                   | Client Info                             |   | 22 Jun 2023   | 31 May 2023  | 25 May 2023   |
| hrs               | Client Info                             |   | 774   | 596  | 508   |
| hrs               | Client Info                             |   | 178   | 88   | 171   |
|                   | Client Info                             |   |   | Changed  | Changed   |
|                   |   |   | -   | ATTENTION  | ATTENTION   |
|                   | method                                  | limit/base  |   | history 1  | history 2   |
|                   |   |   |   |  | <1.0  |
|                   |   | 20  |   |  | NEG   |
|                   | WC Welliou                              |   | NEG   | NLG  |   |
| ;                 | method                                  | limit/base  | current   | history 1  | history 2   |
| ppm               | ASTM D5185m                             | >100  | 8   | 35   | 40  |
| ppm               | ASTM D5185m                             | >20   | <1  |  | 1   |
| ppm               | ASTM D5185m                             | >4  |   |  | 2   |
| ppm               | ASTM D5185m                             |   | 0   | 0  | <1  |
| ppm               | ASTM D5185m                             | >3  | <1  | 0  | 2   |
| ppm               | ASTM D5185m                             | >20   | 1   | 5  | 4   |
| ppm               | ASTM D5185m                             | >40   | 0   | <1   | 1   |
| ppm               | ASTM D5185m                             | >330  | 28  | 120  | 33  |
| ppm               | ASTM D5185m                             | >15   | <1  | 3  | 4   |
| ppm               | ASTM D5185m                             |   | 0   | 0  | <1  |
| ppm               | ASTM D5185m                             |   | 0   | 0  | 0   |
|                   | method                                  | limit/base  | current   | history 1  | history 2   |
| ppm               | ASTM D5185m                             | 0   | 27  | 169  | 165   |
| ppm               | ASTM D5185m                             | 0   | 0   | 0  | 0   |
| ppm               | ASTM D5185m                             | 60  | 80  | 120  | 121   |
| ppm               | ASTM D5185m                             | 0   | <1  | 4  | 5   |
| ppm               | ASTM D5185m                             | 1010  | 950   | 686  | 704   |
| ppm               | ASTM D5185m                             | 1070  | 1075  | 1554   | 1437  |
| ppm               | ASTM D5185m                             | 1150  | 992   | 674  | 748   |
|                   | ASTM D5185m                             | 1270  | 1233  | 833  | 919   |
| ppm               | ASTM D5185m                             | 2060  | 3664  | 2646   | 2850  |
| ſS                | method                                  | limit/base  | current   | history 1  | history 2   |
| ppm               | ASTM D5185m                             | >25   | 8   | 66   | 79  |
|                   | ASTM D5185m                             |   | 2   | 4  | 4   |
| ppm               |   | >20   | 6   | 9  | 13  |
|                   | method                                  | limit/base  | current   | history 1  | history 2   |
| %                 | *ASTM D7844                             | >3  | 0.2   | 0.4  | 0.4   |
|                   |   |   |   |  | 10.5  |
| Abs/.1mm          | *ASTM D7415                             | >30   | 19.7  | 25.2   | 24.6  |
|                   |   |   |   |  |   |
| ATION             | method                                  |   |   | history 1  | hi <u>story 2</u>   |
| ATION<br>Abs/.1mm | method<br>*ASTM D7414                   |   | current<br>15.6   | history 1<br>23.9  | history 2<br>22.4   |
|                   | hrs | hrs Client Info<br>Client Info<br>Client Info<br>WC Method<br>WC Method<br>WC Method<br>WC Method<br>WC Method<br>S method<br>Ppm ASTM D5185m<br>Ppm ASTM D5185m | hrs Client Info<br>Client Info<br>Client Info<br>WC Method >5<br>WC Method >5<br>WC Method >5<br>WC Method >1<br>method limit/base<br>WC Method >1<br>method limit/base<br>ppm ASTM D5185m >100<br>ppm ASTM D5185m >20<br>ppm ASTM D5185m >4<br>ppm ASTM D5185m >3<br>ppm ASTM D5185m >3<br>ppm ASTM D5185m >20<br>ppm ASTM D5185m >3<br>ppm ASTM D5185m >10<br>ppm ASTM D5185m >15<br>ppm ASTM D5185m >15<br>ppm ASTM D5185m 0<br>ppm ASTM D5185m 0<br>ppm ASTM D5185m 0<br>ppm ASTM D5185m 0<br>ppm ASTM D5185m 1010<br>ppm ASTM D5185m 1010<br>ppm ASTM D5185m 1010<br>ppm ASTM D5185m 1070<br>ppm ASTM D5185m 1270<br>ppm ASTM D5185m 1270<br>ppm ASTM D5185m 2060<br>S method limit/base<br>ppm ASTM D5185m >25<br>ppm ASTM D5185m >20<br>method limit/base<br>ppm ASTM D5185m >20 | hrsClient Info178<br>Changed<br>NORMALONmethodlimit/basecurrentWC Method>5<1.0 | hrsClient Info17888Client InfoChangedChangedClient InfoNORMALATTENTIONWC Method>5<1.0 |



# **OIL ANALYSIS REPORT**



|          |  | VISUAL   |  | method  |  |           | history 1                       | history 2  |
|----------|--|--|--|---|--|-----------|---------------------------------|--|
| _        |  | 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   |
| 5/23     | May31/23 -<br>Jun22/23 -               | Appearance   | scalar                                 | *Visual   | NORML  | NORML     | NORML                           | NORML  |
| May25/23 | May31/23<br>Jun22/23                   | Odor   | scalar                                 | *Visual   | NORML  | NORML     | NORML                           | NORML  |
|          |  | Emulsified Water   | scalar                                 | *Visual   | >0.2   | NEG       | NEG                             | NEG  |
|          |  | Free Water   | scalar                                 | *Visual   |  | NEG       | NEG                             | NEG  |
|          |  | FLUID PROPI  | ERTIES                                 | method  | limit/base   | current   | history 1                       | history 2  |
|          |  | Visc @ 100°C   | cSt                                    | ASTM D445   | 15.4   | 13.7      | ▲ 10.0                          | <b>1</b> 0.3   |
|          |  | GRAPHS   |  |   |  |           |                                 |  |
|          |  | Ferrous Alloys   | $\sim$                                 |   |  |           |                                 |  |
| 5/23     | 1/23                                   | 35 - iron<br>chromium  |  |   |  |           |                                 |  |
| May25/23 | May31/23                               | 30 - nickel  |  | $\sim$  |  |           |                                 |  |
|          |  | 25   |  | $\sim$  |  |           |                                 |  |
|          |  | <u>a</u> 20  |  |   |  |           |                                 |  |
|          |  | 15-  |  |   |  |           |                                 |  |
|          |  | 10-  |  |   |  |           |                                 |  |
|          |  |  |  |   |  |           |                                 |  |
|          |  | 0 - 1  | /23 -                                  |   |  |           |                                 |  |
|          |  | Apr14/23<br>May9/23  | May25/23                               | May31/23  | Jun22/23   |           |                                 |  |
|          |  |  | 2                                      |   |  |           |                                 |  |
|          |  | Non-ferrous Met  | ale                                    | _   | 7  |           |                                 |  |
|          |  | Non-ferrous Meta   | als                                    | _   |  |           |                                 |  |
|          |  | 120 copper   | als                                    |   | ,<br>,<br>,<br>,   |           |                                 |  |
|          |  | 120<br>100 copper<br>tin   | als                                    | $\wedge$  |  |           |                                 |  |
|          |  | 120<br>100 copper<br>100 lead<br>80  | als                                    | $\wedge$  |  |           |                                 |  |
|          |  | 120<br>100 copper<br>tin   | als                                    | $\wedge$  |  |           |                                 |  |
|          |  | 120<br>100 copper<br>100 lead<br>80  | als                                    | $\wedge$  |  |           |                                 |  |
|          |  | 120<br>100<br>80<br>60<br>40   | als                                    | $\wedge$  |  |           |                                 |  |
|          |  | 120<br>100<br>100<br>100<br>100<br>100<br>100<br>100   | als                                    | $\wedge$  |  |           |                                 |  |
|          |  | 120<br>100<br>100<br>100<br>100<br>100<br>100<br>100   | $\checkmark$                           | $\bigwedge$   |  |           |                                 |  |
|          |  | 120<br>100<br>100<br>100<br>100<br>100<br>100<br>100   | als                                    | lar/31/23   |  |           |                                 |  |
|          |  | 120<br>100<br>100<br>100<br>100<br>100<br>100<br>100   | Ma/25/23                               | $\bigwedge$   |  | Baco Numb | or                              |  |
|          |  | 120<br>100<br>100<br>100<br>100<br>100<br>100<br>100   | Ma/25/23                               | $\bigwedge$   | Jun22/23   | Base Numb | er                              |  |
|          |  | Viscosity @ 100°   | Ma/25/23                               | $\bigwedge$   | 10.0   | Base Numb | er                              |  |
|          |  | 120<br>100<br>100<br>100<br>100<br>100<br>100<br>100   | Ma/25/23                               | $\bigwedge$   | 10.0   | Base Numb | er                              |  |
|          |  | 120<br>100<br>100<br>100<br>100<br>100<br>100<br>100   | Ma/25/23                               | $\bigwedge$   | 10.0   | Base Numb | er                              |  |
|          |  | 120<br>100<br>100<br>100<br>100<br>100<br>100<br>100   | Ma/25/23                               | $\bigwedge$   | 10.0   | Base Numb | er                              |  |
|          |  | 120<br>100<br>100<br>100<br>100<br>100<br>100<br>100   | Ma/25/23                               | $\bigwedge$   | 0.0 asse Mumber (mg KOH(g)<br>0.0 d (g)<br>4.0   | Base Numb | er                              |  |
|          |  | 120<br>100<br>100<br>100<br>100<br>100<br>100<br>100   | Ma/25/23                               | $\bigwedge$   | 0.0 per (um KOH(0)   | Base Numb | er                              |  |
|          |  | 120<br>100<br>100<br>100<br>100<br>100<br>100<br>100   | C C                                    | $\bigwedge$   | 0.0 asse Mumber (mg KOH(g)<br>0.0 d (g)<br>4.0   | Base Numb | er                              |  |
|          |  | 120<br>100<br>100<br>100<br>100<br>100<br>100<br>100   | C C                                    | May31/23  | 10.0<br>Base Mumber (ng KOH(n)<br>Base Mumber (ng K  | Base      |                                 | 9/23   |
|          |  | 120<br>100<br>100<br>100<br>100<br>100<br>100<br>100   | Ma/25/23                               | $\bigwedge$   | 0.0<br>(b)(HQ)<br>Base Number (mg<br>4.0<br>2.0  | Base Numb |                                 | May31/23   |
|          |  | 120<br>100<br>100<br>100<br>100<br>100<br>100<br>100   | May25/23                               | May31/23  | 0.00<br>Base Number (ng KOH(0)<br>0.0<br>Base Number (ng KOH(0)<br>0.0<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C   | Base<br>  |                                 |  |
|          | Laboratory<br>Sample No.               | <sup>120</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>10</sup><br><sup>1</sup>  | CC                                     | ECTIFIERM<br>ECTIFIERM<br>son Ave., Ca<br>d : 27 v  | 10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0 | Base<br>  | May25/23                        | - Little Rock Hauli<br>4005 Hwy 161                                  |
|          | Laboratory<br>Sample No.<br>Lab Number | <sup>120</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>1</sup> | CC<br>501 Madia<br>Received<br>Diagnos | ECTIFIERM<br>Son Ave., Ca<br>d : 27 .<br>red : 30 . | 10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0 | Base<br>  | May25/23                        | - <b>Little Rock Haul</b> i<br>4005 Hwy 161<br>LIttle Rock, <i>F</i> |
|          | Laboratory<br>Sample No.               | <sup>120</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>100</sup><br><sup>10</sup><br><sup>1</sup>  | CC                                     | ECTIFIERM<br>Son Ave., Ca<br>d : 27 .<br>red : 30 . | 10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0 | Base<br>  | E7/57/keW<br>nvironmental - 814 | - Little Rock Hauli<br>4005 Hwy 161                                  |

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