

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend





## Component

Diesel Engine

## PETRO CANADA DURON HP 15W40 (--- LTR)

## 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.

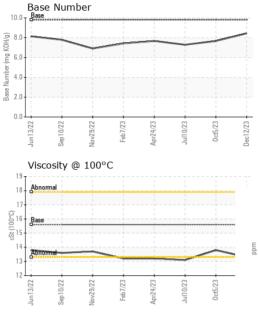
### Fluid Condition

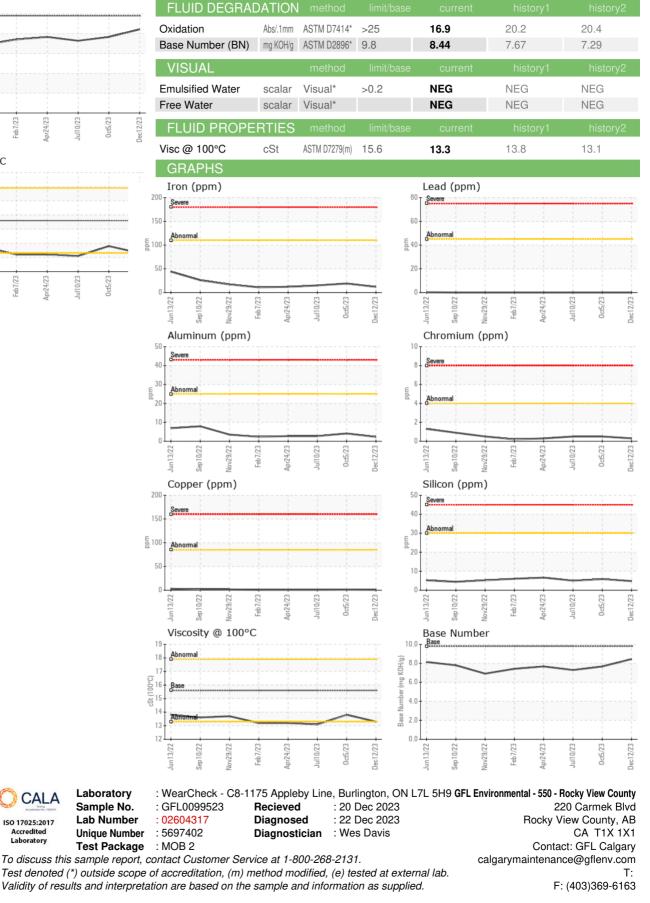
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

| Sample NumberClient InfoGFL0099523GFL0091562GFL00842Sample DateClient Info12 Dec 202305 Oct 202310 Jul 202Machine AgekmsClient Info2603609020238426Dil AgekmsClient Info000Dil ChangedClient InfoChangedChangedChangedSample StatusImageImageNORMALNORMALNORMAL   |    |
|---|----|
| Machine AgekmsClient Info2603609020238426Dil AgekmsClient Info000Dil ChangedClient InfoChangedChangedChanged  | 3  |
| Dil Age kms Client Info 0 0 0   Dil Changed Client Info Changed Changed Changed   |    |
| Dil Changed Client Info Changed Changed Changed   |    |
|   |    |
| Sample Status NORMAL NORMAL NORMAL  |    |
|   |    |
| CONTAMINATION method limit/base current history1 histor   | y2 |
| Fuel WC Method >5 <1.0 <1.0 <1.0  |    |
| Nater WC Method >0.2 NEG NEG NEG  |    |
| Glycol WC Method NEG NEG NEG  |    |
| WEAR METALS method limit/base current history1 histor   | y2 |
| ron ppm ASTM D5185(m) >110 12 19 15   |    |
| Chromium ppm ASTM D5185(m) >4 <1 <1   |    |
| Vickel ppm ASTM D5185(m) >2 <1 0 0  |    |
| Fitanium ppm ASTM D5185(m) <b>0</b> 0 0   |    |
| Silver ppm ASTM D5185(m) >2 0 <1 0  |    |
| Aluminum ppm ASTM D5185(m) >25 2 4 3  |    |
| _ead ppm ASTM D5185(m) >45 <b>0</b> 0 0   |    |
| Copper ppm ASTM D5185(m) >85 <1 1   |    |
| Fin ppm ASTM D5185(m) >4 <b>0</b> 0 0   |    |
| Antimony ppm ASTM D5185(m) <b>0</b> 0 0   |    |
| /anadium ppm ASTM D5185(m) <b>0</b> 0 0   |    |
| Beryllium ppm ASTM D5185(m) O O O   |    |
| Cadmium     ppm     ASTM D5185(m)     0 |    |
| ADDITIVES method limit/base current history1 histor   | y2 |
| Boron ppm ASTM D5185(m) 0 <b>2</b> 2 3  |    |
| Barium     ppm     ASTM D5185(m)     0     0     <1   |    |
| Molybdenum ppm ASTM D5185(m) 60 56 58 55  |    |
| Manganese     ppm     ASTM D5185(m)     0     0     0     <1  |    |
| Magnesium     ppm     ASTM D5185(m)     1010     901     918     895  |    |
| Calcium     ppm     ASTM D5185(m)     1070     1007     1011     1000   |    |
| Phosphorus     ppm     ASTM D5185(m)     1150     949     932     976   |    |
| Zinc ppm ASTM D5185(m) 1270 1131 1160 1116  |    |
| Sulfur     ppm     ASTM D5185(m)     2060     2499     2409     2360  |    |
| .ithium ppm ASTM D5185(m) <1 <1   |    |
| CONTAMINANTS method limit/base current history1 histor  | y2 |
| Silicon     ppm     ASTM D5185(m)     >30     5     6     5   |    |
| Sodium     ppm     ASTM D5185(m)     5     6     6  |    |
| Potassium     ppm     ASTM D5185(m)     >20     2     6     2   |    |
| INFRA-RED method limit/base current history1 histor   | y2 |
| INFRA-RED method limit/base current history1 histor   |    |
| INFRA-RED     method     imitidase     current     nistory i     nistor       Soot %     %     ASTM D7844*     >3 <b>0.5</b> 0.6     0.4  |    |
|   |    |



# **OIL ANALYSIS REPORT**





CALA

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Laboratory

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