

# FUEL REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**130-300**  
 Component  
**New (Unused) Oil**  
 Fluid  
**PETRO CANADA DURON SHP 15W40 (--- QTS)**

## DIAGNOSIS

### Recommendation

This is a baseline read-out on the submitted sample.

| SAMPLE INFORMATION |             | method      | limit/base | current            | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|----------|----------|
| Sample Number      | Client Info |             |            | <b>PCA0089598</b>  | ---      | ---      |
| Sample Date        | Client Info |             |            | <b>15 Aug 2023</b> | ---      | ---      |
| Machine Age        | mls         | Client Info |            | <b>0</b>           | ---      | ---      |
| Oil Age            | mls         | Client Info |            | <b>0</b>           | ---      | ---      |
| Oil Changed        | Client Info |             |            | <b>N/A</b>         | ---      | ---      |
| Sample Status      |             |             |            | <b>NORMAL</b>      | ---      | ---      |

| PHYSICAL PROPERTIES |     | method    | limit/base | current      | history1 | history2 |
|---------------------|-----|-----------|------------|--------------|----------|----------|
| Visc @ 40°C         | cSt | ASTM D445 | 113.9      | <b>108.2</b> | ---      | ---      |

| SULFUR CONTENT |     | method      | limit/base | current     | history1 | history2 |
|----------------|-----|-------------|------------|-------------|----------|----------|
| Sulfur         | ppm | ASTM D5185m | 2060       | <b>3085</b> | ---      | ---      |

| CONTAMINANTS |     | method      | limit/base | current      | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon      | ppm | ASTM D5185m | <1.0       | <b>5</b>     | ---      | ---      |
| Sodium       | ppm | ASTM D5185m | <0.1       | <b>&lt;1</b> | ---      | ---      |
| Potassium    | ppm | ASTM D5185m | <0.1       | <b>&lt;1</b> | ---      | ---      |

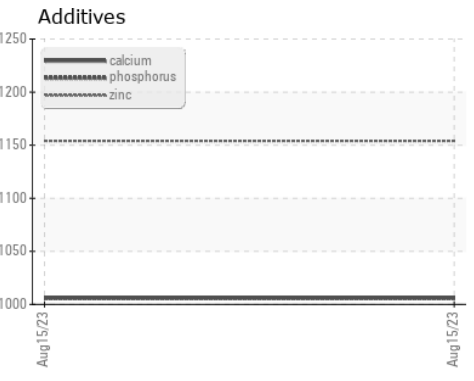
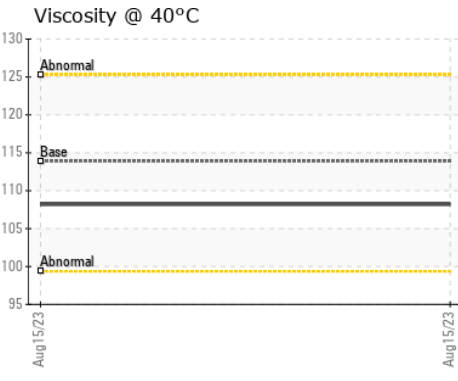
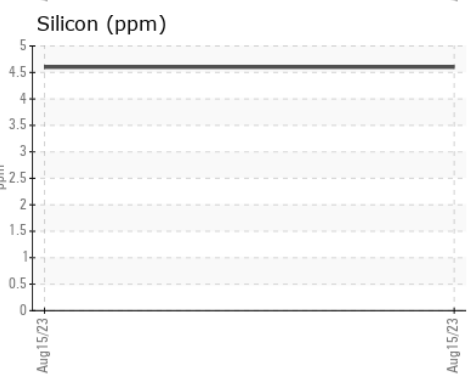
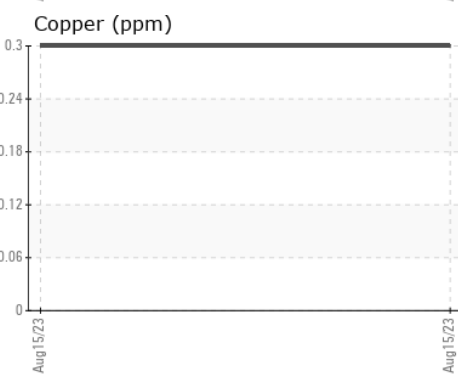
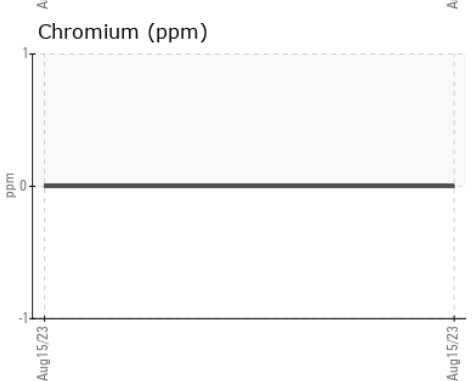
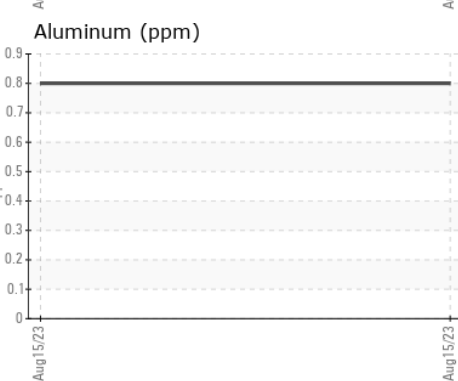
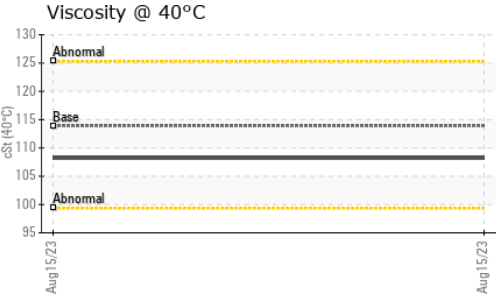
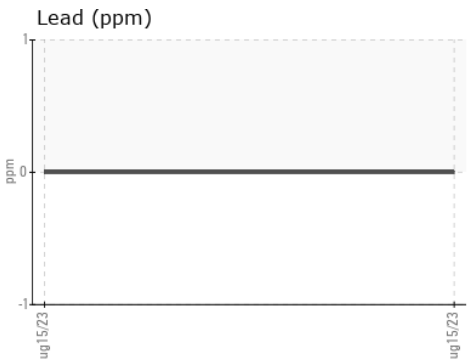
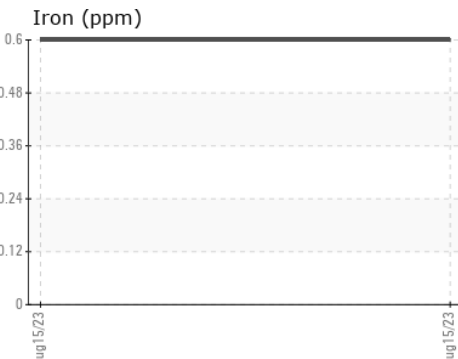
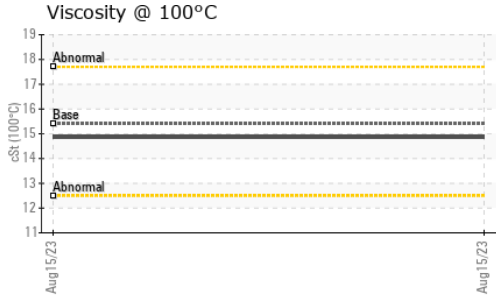
| HEAVY METALS |     | method      | limit/base | current      | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Aluminum     | ppm | ASTM D5185m | <0.1       | <b>&lt;1</b> | ---      | ---      |
| Nickel       | ppm | ASTM D5185m | <0.1       | <b>0</b>     | ---      | ---      |
| Lead         | ppm | ASTM D5185m | <0.1       | <b>0</b>     | ---      | ---      |
| Vanadium     | ppm | ASTM D5185m | <0.1       | <b>0</b>     | ---      | ---      |
| Iron         | ppm | ASTM D5185m | <0.1       | <b>&lt;1</b> | ---      | ---      |
| Calcium      | ppm | ASTM D5185m | <0.1       | <b>1006</b>  | ---      | ---      |
| Magnesium    | ppm | ASTM D5185m | <0.1       | <b>907</b>   | ---      | ---      |
| Phosphorus   | ppm | ASTM D5185m | <0.1       | <b>1006</b>  | ---      | ---      |
| Zinc         | ppm | ASTM D5185m | <0.1       | <b>1154</b>  | ---      | ---      |

| SAMPLE IMAGES |  | method | limit/base | current | history1 | history2 |
|---------------|--|--------|------------|---------|----------|----------|
| Color         |  |        |            |         | no image | no image |
| Bottom        |  |        |            |         | no image | no image |



# FUEL REPORT

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0089598 **Received** : 15 Aug 2023  
**Lab Number** : 05925195 **Diagnosed** : 17 Aug 2023  
**Unique Number** : 10605142 **Diagnostician** : Jonathan Hester  
**Test Package** : MOB 1 ( Additional Tests: FT-IR, ICP-NewOil, KV100, VI )

**GE MARSHALL EXCAVATION**  
 1351 JOLIET RD  
 VALPARAISO, IN  
 US 46385  
 Contact: MARK STEFFEL  
 mark.steffel@gemarshall.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - 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)

T:  
F: