

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id 429098

Fluid

Component Diesel Engine

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

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

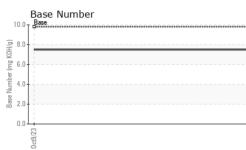
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

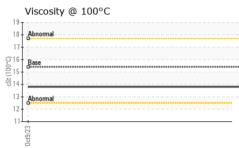
| IATION | method | limit/base | current | history1 | history2 |
|---|--|--|--|--|---|
| | Client Info | | GFL0087951 | | |
| | Client Info | | 09 Oct 2023 | | |
| hrs | Client Info | | 11932 | | |
| hrs | Client Info | | 600 | | |
| | Client Info | | Changed | | |
| | | | NORMAL | | |
| ON | method | limit/base | current | history1 | history2 |
| | WC Method | >3.0 | <1.0 | | |
| | WC Method | | NEG | | |
| 5 | method | limit/base | current | history1 | history2 |
| ppm | ASTM D5185m | >120 | 10 | | |
| ppm | ASTM D5185m | >20 | <1 | | |
| ppm | ASTM D5185m | >5 | <1 | | |
| ppm | ASTM D5185m | >2 | <1 | | |
| ppm | ASTM D5185m | >2 | <1 | | |
| ppm | ASTM D5185m | >20 | 2 | | |
| ppm | ASTM D5185m | >40 | 0 | | |
| ppm | ASTM D5185m | >330 | 4 | | |
| ppm | ASTM D5185m | >15 | <1 | | |
| ppm | ASTM D5185m | | <1 | | |
| ppm | ASTM D5185m | | 0 | | |
| | method | limit/base | current | history1 | history2 |
| ppm | ASTM D5185m | 0 | 3 | | |
| ppm | ASTM D5185m | 0 | 0 | | |
| ppm | ASTM D5185m | 60 | 57 | | |
| ppm | ASTM D5185m | 0 | <1 | | |
| | | | | | |
| ppm | ASTM D5185m | 1010 | 874 | | |
| ppm ppm | ASTM D5185m ASTM D5185m | 1010 1070 | 874 1082 | | |
| | | | - | | |
| ppm | ASTM D5185m | 1070 | 1082 | | |
| ppm ppm | ASTM D5185m ASTM D5185m | 1070 1150 | 1082 959 | | |
| ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m | 1070 1150 1270 | 1082 959 1124 | | |
| ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | 1070 1150 1270 2060 limit/base | 1082 959 1124 2823 | | |
| ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method | 1070 1150 1270 2060 limit/base | 1082 959 1124 2823 current | | |
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| ppm ppm ppm ppm TS ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | 1070 1150 1270 2060 limit/base >25 | 1082 959 1124 2823 current 5 5 | | |
| ppm ppm ppm ppm TS ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | 1070 1150 1270 2060 limit/base >25 >20 | 1082 959 1124 2823 current 5 5 < | history1 | history2 |
| ppm ppm ppm ppm FS ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | 1070 1150 1270 2060 limit/base >25 >20 limit/base | 1082 959 1124 2823 current 5 5 <1 <1 | history1 history1 | history2 history2 |
| ppm ppm ppm ppm FS ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | 1070 1150 2060 limit/base >25 >20 limit/base >4 >20 | 1082 959 1124 2823 current 5 5 5 <1 current 0.5 | history1 history1 | history2 history2 |
| ppm ppm ppm ppm ppm ppm ppm ppm % Abs/cm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | 1070 1150 2060 limit/base >25 >20 limit/base >4 >20 | 1082 959 1124 2823 current 5 5 <1 current 0.5 7.2 | history1 history1 history1 | history2 history2 |
| ppm ppm ppm ppm rS ppm ppm ppm ppm % Abs/cm Abs/.1mm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7844 *ASTM D7844 *ASTM D7844 | 1070 1150 1270 2060 limit/base >25 >20 limit/base >4 >20 >30 | 1082 959 1124 2823 current 5 5 <1 current 0.5 7.2 19.4 | history1 history1 history1 | history2 history2 history2 |
| | hrs hrs ON ON ppm ppm ppm ppm ppm ppm ppm ppm ppm pp | Client InfoClient InfohrsClient InfohrsClient InfohrsClient InfoClient InfoClient InfoONmethodWC MethodWC MethodppmASTM D5185mppmASTM D5185m <t< td=""><td>Client InfoClient InfohrsClient InfohrsClient InfohrsClient InfoClient InfoClient InfoClient InfoImit/baseWC Method>3.0WC Method>3.0WC Method>3.0WC Method>3.0MathodImit/baseMathodStatePpmASTM D5185mASTM D5185m>20ppmASTM D5185mPpmASTM D5185m</td><td>Client InfoGFL0087951Client Info09 Oct 2023hrsClient Info11932hrsClient Info600Client InfoChangedNrsClient InfoNORMALONmethodlimit/baseWC Method>3.0<1.0</td>WC Method>3.0<1.0</t<> | Client InfoClient InfohrsClient InfohrsClient InfohrsClient InfoClient InfoClient InfoClient InfoImit/baseWC Method>3.0WC Method>3.0WC Method>3.0WC Method>3.0MathodImit/baseMathodStatePpmASTM D5185mASTM D5185m>20ppmASTM D5185mPpmASTM D5185m | Client InfoGFL0087951Client Info09 Oct 2023hrsClient Info11932hrsClient Info600Client InfoChangedNrsClient InfoNORMALONmethodlimit/baseWC Method>3.0<1.0 | Client InfoGFL0087951Client Info09 Oct 2023hrsClient Info11932hrsClient Info600Client InfoChangedClient InfoNORMALWC Method>3.0<1.0 |

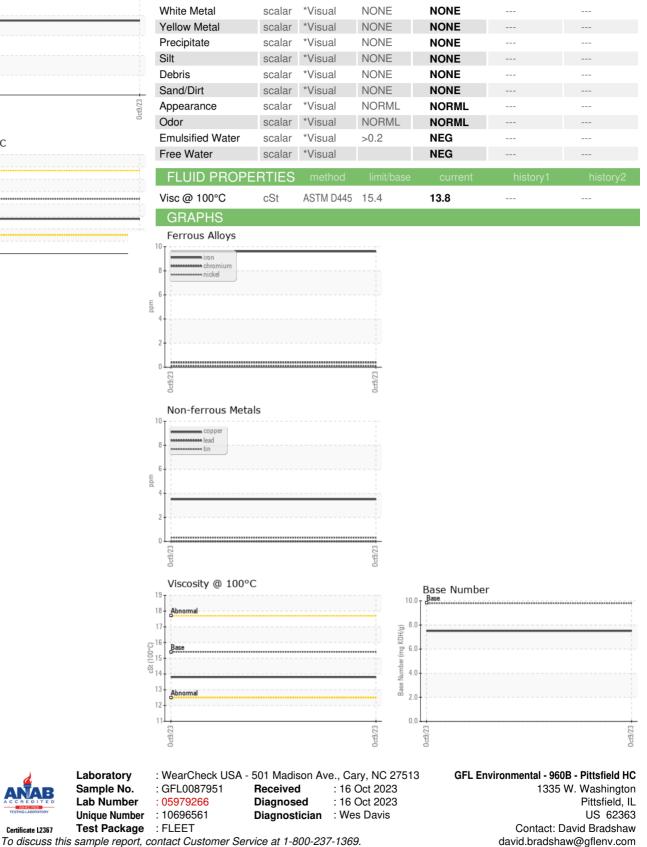


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VISUAL







* - 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)

Certificate L2367

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Submitted By: See also GFL960B, 960C, 960D - David Bradshaw

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