

OIL ANALYSIS REPORT

r °

Sample Rating Trend

NORMAL



Machine Id 1924264

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

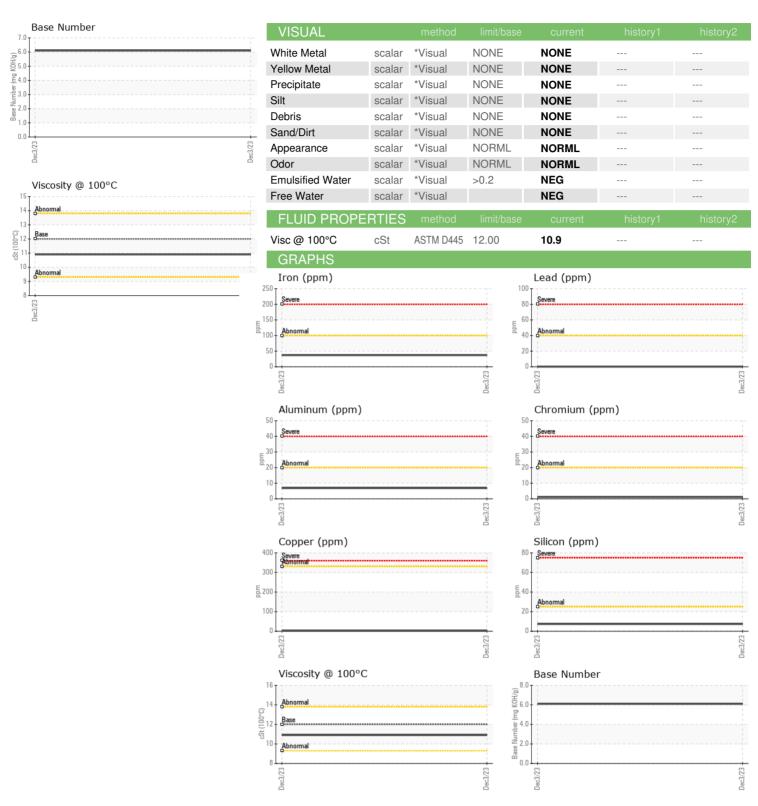
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

| SAMPLE INFORMATION method limit/base current history1 history2 Sample Date Client Info 03 Dec 2023 Client Info 03 Dec 2023 Client Info 05 Client Info 06 Client Info 07 Changed Client Info 08 Client Info 08 Client Info 08 Client Info Changed Client Info Changed Client Client Client Info Changed Client | | | | | | | |
|--|------------------|----------|-------------|------------|-------------|----------|----------|
| Cample Number Client Info Dec 2023 Client Info Client Info Dec 2023 Client Info Dec 2024 Client Info | AL) | | | | Dec2023 | | |
| Client Info | SAMPLE INFOR | MATION | method | limit/base | current | history1 | history2 |
| Machine Age mls | Sample Number | | Client Info | | PCA0111354 | | |
| Dil Changed | Sample Date | | Client Info | | 03 Dec 2023 | | |
| Client Info Changed Client Info NORMAL CONTAMINATION Method So Current history1 history2 Mater WC Method So C.1.0 Contamination Contamination | Machine Age | mls | Client Info | | 201388 | | |
| CONTAMINATION method limit/base current history1 history2 value WC Method >5 <1.0 | Oil Age | mls | Client Info | | 0 | | |
| CONTAMINATION method limit/base current history1 history2 | Oil Changed | | Client Info | | Changed | | |
| Valer | Sample Status | | | | NORMAL | | |
| Water WC Method So.2 NEG Silycol WC Method NEG WC | CONTAMINAT | ION | method | limit/base | current | history1 | history2 |
| WEAR METALS | uel | | WC Method | >5 | <1.0 | | |
| WEAR METALS method limit/base current history1 history2 ron ppm ASTM D5185m >100 37 Chromium ppm ASTM D5185m >20 1 Alickel ppm ASTM D5185m >20 1 Silver ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >20 7 Lead ppm ASTM D5185m >20 7 Lead ppm ASTM D5185m >20 7 Lead ppm ASTM D5185m >20 0 Copper ppm ASTM D5185m >330 2 Coladmium ppm ASTM D5185m 0 0 ABoron ppm ASTM D5185m 2 6 <td>Vater</td> <td></td> <td>WC Method</td> <td>>0.2</td> <td>NEG</td> <td></td> <td></td> | Vater | | WC Method | >0.2 | NEG | | |
| Chromium | Glycol | | WC Method | | NEG | | |
| ASTM D5185m SOCIETY SOCIETY STATE ST | WEAR METAL | .S | method | limit/base | current | history1 | history2 |
| Silver | ron | ppm | ASTM D5185m | >100 | 37 | | |
| Silver | Chromium | ppm | ASTM D5185m | >20 | 1 | | |
| Silver | Nickel | ppm | ASTM D5185m | >4 | 0 | | |
| ASTM D5185m Page | Titanium | ppm | ASTM D5185m | | <1 | | |
| Accepted | Silver | ppm | ASTM D5185m | >3 | 0 | | |
| Description | Aluminum | ppm | ASTM D5185m | >20 | 7 | | |
| Contain | .ead | ppm | ASTM D5185m | >40 | 0 | | |
| Anadium | Copper | ppm | ASTM D5185m | >330 | 2 | | |
| ADDITIVES | - Tin | ppm | ASTM D5185m | >15 | 0 | | |
| ADDITIVES | /anadium | ppm | ASTM D5185m | | <1 | | |
| Soron ppm ASTM D5185m 2 6 | Cadmium | ppm | ASTM D5185m | | 0 | | |
| Sarium | ADDITIVES | | method | limit/base | current | history1 | history2 |
| Molybdenum ppm ASTM D5185m 50 59 Manganese ppm ASTM D5185m 0 <1 Magnesium ppm ASTM D5185m 950 809 Calcium ppm ASTM D5185m 1050 1114 Phosphorus ppm ASTM D5185m 995 807 Zinc ppm ASTM D5185m 995 807 Zinc ppm ASTM D5185m 2600 2714 Contamination ppm ASTM D5185m 2600 2714 Colision ppm ASTM D5185m 225 7 Solicon ppm ASTM D5185m 3 Potassium ppm ASTM D5185m 3 Soot % *ASTM D7844 >3 1.1 </td <td>Boron</td> <td>ppm</td> <td>ASTM D5185m</td> <td>2</td> <td>6</td> <td></td> <td></td> | Boron | ppm | ASTM D5185m | 2 | 6 | | |
| Manganese ppm ASTM D5185m 0 <1 Magnesium ppm ASTM D5185m 950 809 Calcium ppm ASTM D5185m 1050 1114 Phosphorus ppm ASTM D5185m 995 807 Zinc ppm ASTM D5185m 1180 1110 Sulfur ppm ASTM D5185m 2600 2714 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 Godium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m 3 Soot % % *ASTM D7844 >3 1.1 | Barium | ppm | ASTM D5185m | 0 | 0 | | |
| Magnesium ppm ASTM D5185m 950 809 Calcium ppm ASTM D5185m 1050 1114 Phosphorus ppm ASTM D5185m 995 807 Zinc ppm ASTM D5185m 1180 1110 Sulfur ppm ASTM D5185m 2600 2714 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 Sodium ppm ASTM D5185m >20 3 Potassium ppm ASTM D5185m >20 3 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7624 >20 12.6 Sulfation Abs/.1mm *ASTM D7414 <td>Molybdenum</td> <td>ppm</td> <td>ASTM D5185m</td> <td>50</td> <td>59</td> <td></td> <td></td> | Molybdenum | ppm | ASTM D5185m | 50 | 59 | | |
| Calcium ppm ASTM D5185m 1050 1114 Phosphorus ppm ASTM D5185m 995 807 Pinc ppm ASTM D5185m 1180 1110 Sulfur ppm ASTM D5185m 2600 2714 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 Sodium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m >20 3 INFRA-RED method limit/base current history1 history2 Soot % "ASTM D7844 >3 1.1 Sulfation Abs/:nm "ASTM D7415 >30 23.1 FLUID DEGRADATION method limit/base current | Manganese | ppm | ASTM D5185m | 0 | <1 | | |
| Phosphorus ppm ASTM D5185m 995 807 Zinc ppm ASTM D5185m 1180 1110 Sulfur ppm ASTM D5185m 2600 2714 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 Sodium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m >20 3 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1.1 Sulfation Abs/:nm *ASTM D7415 >30 23.1 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/:nm *ASTM D7414 >25 20 | //agnesium | ppm | ASTM D5185m | 950 | 809 | | |
| CONTAMINANTS method limit/base current history1 history2 | Calcium | ppm | ASTM D5185m | 1050 | 1114 | | |
| Sulfur ppm ASTM D5185m 2600 2714 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 Godium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m >20 3 INFRA-RED method limit/base current history1 history2 Goot % % *ASTM D7844 >3 1.1 Sulfation Abs/cm *ASTM D7624 >20 12.6 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.4 | Phosphorus | ppm | ASTM D5185m | 995 | 807 | | |
| CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 Sodium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m >20 3 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1.1 Sulfration Abs/cm *ASTM D7624 >20 12.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.1 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.4 | Zinc | ppm | ASTM D5185m | 1180 | 1110 | | |
| Solicon ppm ASTM D5185m >25 7 | Bulfur | ppm | ASTM D5185m | 2600 | 2714 | | |
| Sodium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m >20 3 INFRA-RED method limit/base current history1 history2 Soot % *ASTM D7844 >3 1.1 Vitration Abs/cm *ASTM D7624 >20 12.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.1 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.4 | CONTAMINAN | NTS | method | limit/base | current | history1 | history2 |
| Sodium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m >20 3 INFRA-RED method limit/base current history1 history2 Soot % *ASTM D7844 >3 1.1 Vitration Abs/cm *ASTM D7624 >20 12.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.1 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.4 | Silicon | ppm | ASTM D5185m | >25 | 7 | | |
| INFRA-RED | Sodium | ppm | ASTM D5185m | | 3 | | |
| Soot % | Potassium | ppm | ASTM D5185m | >20 | 3 | | |
| Nitration | INFRA-RED | | method | limit/base | current | history1 | history2 |
| Sulfation Abs/.1mm *ASTM D7415 >30 23.1 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.4 | Soot % | % | *ASTM D7844 | >3 | 1.1 | | |
| Sulfation Abs/.1mm *ASTM D7415 >30 23.1 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.4 | Vitration | Abs/cm | *ASTM D7624 | >20 | 12.6 | | |
| Oxidation Abs/.1mm *ASTM D7414 >25 20.4 | Sulfation | Abs/.1mm | *ASTM D7415 | >30 | | | |
| | FLUID DEGRA | DATION | method | limit/base | current | history1 | history2 |
| | Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 20.4 | | |
| | Base Number (BN) | mg KOH/g | ASTM D2896 | - | 6.1 | | |

Contact/Location: BILL CUCCIA - MILJER



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: 06073524

: PCA0111354 : 10850201

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 30 Jan 2024 Recieved Diagnosed Diagnostician : Wes Davis

: 30 Jan 2024

Test Package : MOB 1 (Additional Tests: TBN) 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)

MILLER TRUCK LEASING #129

3 LINDEN AVE E JERSEY CITY, NJ US 07305

Contact: BILL CUCCIA wcuccia@millertransgroup.com

T:

F:

Contact/Location: BILL CUCCIA - MILJER