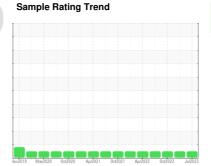


# **OIL ANALYSIS REPORT**





NORMAL

## KEMP QUARRIES / PRYOR STONE [64200] WL133 Component

**Rear Right Final Drive** 

PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)

#### SAMPLE INFORMATION method PCA0083919 PCA0048980 PCA0084039 Sample Number **Client Info** 03 Jul 2023 Sample Date Client Info 27 Mar 2023 07 Oct 2022 Machine Age hrs **Client Info** 36414 35969 35349 Oil Age hrs Client Info 1065 620 2094 Oil Changed Oil Added **Client Info** Oil Added Changed NORMAL Sample Status NORMAL NORMAL WEAR METALS ASTM D5185m >800 12 9 Iron ppm 14 Chromium ASTM D5185m 0 <1 0 ppm >10 Nickel ppm ASTM D5185m >5 0 <1 0 Titanium ASTM D5185m >15 0 0 0 ppm 0 Silver ppm ASTM D5185m >2 0 0 Aluminum ASTM D5185m >75 3 1 ppm <1 Lead ASTM D5185m >10 0 0 0 ppm 0 2 ASTM D5185m >75 Copper ppm <1 0 Tin ppm ASTM D5185m >8 0 0 Vanadium ASTM D5185m 0 0 0 ppm Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES 2 0 0 ASTM D5185m 0 Boron ppm Barium ppm ASTM D5185m 0 0 0 <1 ASTM D5185m 0 0 Molybdenum <1 ppm <1 Manganese ppm ASTM D5185m O <1 <1 <1 9 19 ASTM D5185m 18 13 Magnesium ppm 3291 3127 2662 Calcium ppm ASTM D5185m 3114 Phosphorus ppm ASTM D5185m 1099 956 958 987 Zinc ASTM D5185m 1245 1190 1196 1212 ppm Sulfur ASTM D5185m 7086 7498 5761 ppm 6994 CONTAMINANTS Silicon ASTM D5185m >400 13 13 6 ppm 0 Sodium ppm ASTM D5185m 1 1 Potassium ASTM D5185m >20 0 0 <1 ppm VISUAL White Metal scalar \*Visual NONE NONE NONE NONE Yellow Metal \*Visual NONE NONE NONE NONE scalar Precipitate scalar \*Visual NONE NONE NONE NONE \*Visual NONE NONE NONE Silt scalar NONE Debris scalar \*Visual NONE NONE NONE NONE Sand/Dirt scalar \*Visual NONE NONE NONE NONE \*Visual NORML NORML NORML NORML Appearance scalar Odor \*Visual NORML NORML NORML NORML scalar \*Visual **Emulsified Water** NEG NEG scalar >0.2 NEG Free Water scalar \*Visual NEG NEG NEG

ASTM D445 213.9

192

192

DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: Pm2 performed. All oil samples taken. Engine oil, transmission oil, and all filters changed.)

#### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

The condition of the oil is acceptable for the time in service.

Report Id: KEMPRY [WUSCAR] 05926911 (Generated: 08/18/2023 10:58:28) Rev: 1

FLUID PROPERTIES

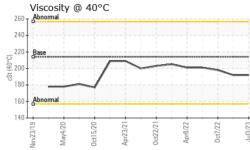
cSt

Visc @ 40°C

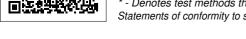


# **OIL ANALYSIS REPORT**

SAMPLE IMAGES



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