

OIL ANALYSIS REPORT

KEMP QUARRIES / MUSKOGEE SAND [68772]

Sample Rating Trend





DIAGNOSIS

Recommendation

Contamination

Fluid Condition

Wear

oil.

service.

Resample at the next service interval to monitor. (

There is no indication of any contamination in the

All component wear rates are normal.

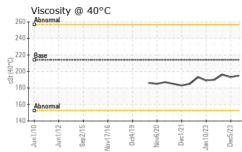
WL039 Component Front Left Final Drive

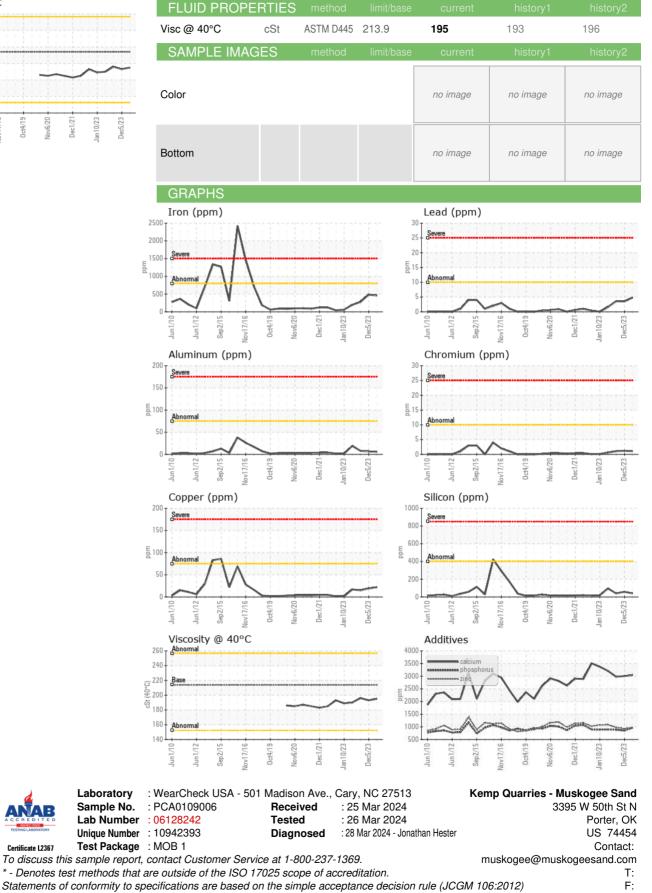
PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)

SAMPLE INFORMATION method PCA0070645 PCA0109006 PCA0086531 Sample Number **Client Info** Sample Date Client Info 13 Mar 2024 05 Dec 2023 12 Sep 2023 Customer Sample Comment: PM-3 sampled fluid) 60261 Machine Age hrs Client Info 60751 59240 Oil Age hrs Client Info 60751 60261 59740 Oil Changed **Client Info** N/A N/A N/A Sample Status NORMAL NORMAL NORMAL CONTAMINATION >0.2 NEG NEG Water WC Method NEG The condition of the oil is acceptable for the time in WEAR METALS >800 ASTM D5185m 459 485 279 Iron ppm Chromium ASTM D5185m >10 ppm 1 1 1 0 Nickel ASTM D5185m >5 <1 <1 ppm Titanium <1 ppm ASTM D5185m >15 <1 <1 0 Silver >2 0 0 ppm ASTM D5185m Aluminum ppm ASTM D5185m >75 6 7 8 ASTM D5185m 5 4 4 Lead >10 ppm 22 19 15 Copper ppm ASTM D5185m >75 2 0 Tin ASTM D5185m >8 ppm <1 0 0 0 Vanadium ASTM D5185m ppm 0 Cadmium 0 ppm ASTM D5185m 0 **ADDITIVES** 2 3 2 4 Boron ASTM D5185m ppm ASTM D5185m 0 0 Barium ppm 0 0 Molvbdenum ASTM D5185m 0 1 1 1 ppm ASTM D5185m 0 4 3 2 Manganese ppm Magnesium ASTM D5185m 9 12 10 9 ppm 3006 2973 ASTM D5185m 3114 3040 Calcium ppm Phosphorus ASTM D5185m 1099 964 852 889 ppm Zinc ppm ASTM D5185m 1245 965 926 978 Sulfur ASTM D5185m 7086 5640 6456 4836 ppm CONTAMINANTS Silicon ppm ASTM D5185m >400 40 58 39 Sodium ASTM D5185m 2 0 0 ppm Potassium ASTM D5185m >20 2 4 2 ppm VISUAL NONE White Metal *Visual NONE NONE NONE scalar *Visual NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris NONE NONE scalar *Visua NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE *Visual NORML NORML NORML NORML Appearance scalar NORML NORML NORML NORML Odor scalar *Visual **Emulsified Water** scalar *Visual >0.2 NEG NEG NEG NEG Free Water scalar *Visual NEG NEG



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Certificate L2367