

OIL ANALYSIS REPORT

KEMP QUARRIES / MUSKOGEE SAND

Sample Rating Trend



Resample at the next service interval to monitor.

There is no indication of any contamination in the

All component wear rates are normal.

DIAGNOSIS

Recommendation

Contamination

Fluid Condition

Wear

oil

service.

Component Hydraulic System

WL042

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

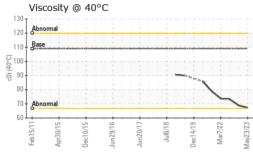
SAMPLE INFORMATION method PCA0070528 PCA0070507 PCA0087102 Sample Number **Client Info** 29 Dec 2022 21 Jun 2022 Sample Date Client Info 23 May 2023 31670 Machine Age hrs **Client Info** 31010 30470 Oil Age hrs Client Info 1720 1060 520 Oil Changed **Client Info** Not Changd Not Changd Not Changd Sample Status NORMAL ABNORMAL NORMAL WEAR METALS ASTM D5185m >20 3 6 5 Iron ppm The condition of the oil is acceptable for the time in 2 Chromium ASTM D5185m >10 9 11 ppm 0 Nickel ppm ASTM D5185m >10 0 0 Titanium ASTM D5185m 0 <1 <1 ppm 0 0 Silver ppm ASTM D5185m 0 Aluminum ASTM D5185m >10 <1 <1 3 ppm Lead ASTM D5185m >10 0 0 0 ppm ASTM D5185m 2 3 3 Copper >75 ppm Tin ppm ASTM D5185m >10 0 0 0 Vanadium ASTM D5185m 0 0 0 ppm Cadmium ppm ASTM D5185m 0 0 0 **ADDITIVES** 0 2 21 48 ASTM D5185m Boron ppm Barium ppm ASTM D5185m 0 0 0 0 2 7 Molybdenum ASTM D5185m 0 11 ppm 0 0 Manganese ppm ASTM D5185m <1 264 ASTM D5185m 0 41 149 Magnesium ppm 183 468 802 Calcium ppm ASTM D5185m Phosphorus ppm ASTM D5185m 367 438 541 Zinc ASTM D5185m 475 541 608 ppm Sulfur ASTM D5185m 1053 1272 1896 ppm CONTAMINANTS Silicon ppm ASTM D5185m >20 2 4 5 0 2 Sodium ppm ASTM D5185m 0 Potassium ASTM D5185m >20 1 ppm <1 <1 VISUAL *Visual NONE NONE White Metal scalar NONE NONE Yellow Metal *Visual NONE NONE NONE NONE scalar Precipitate scalar *Visual NONE NONE NONE NONE *Visual NONE NONE NONE NONE Silt scalar Debris scalar *Visual NONE NONE MODER NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor *Visual NORML NORML NORML NORML scalar *Visual **Emulsified Water** NEG NEG NEG scalar >0.1 Free Water NEG NEG scalar *Visual NEG FLUID PROPERTIES ASTM D445 67.3 68.8 Visc @ 40°C cSt 109 73.2

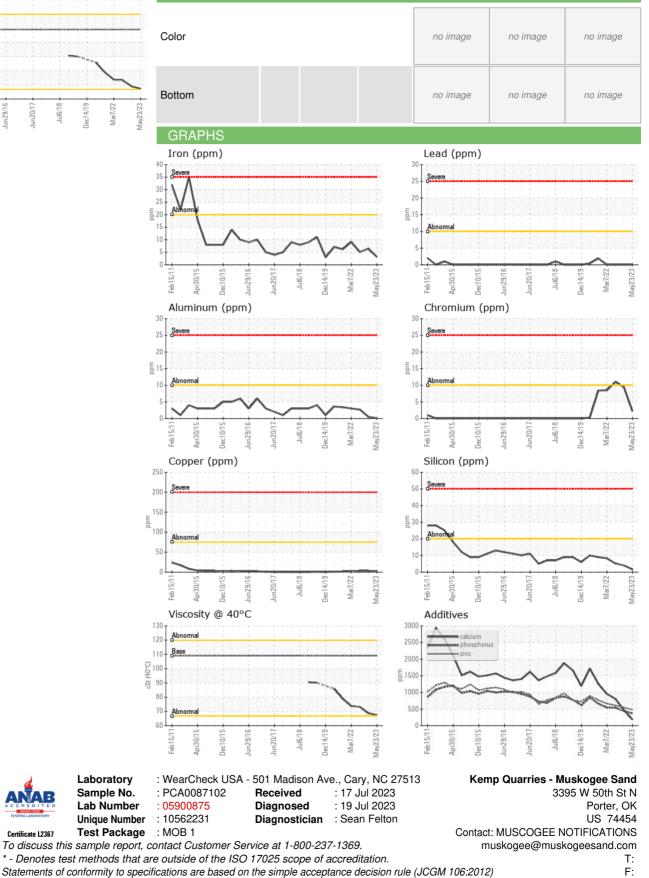
Report Id: KEMPOR [WUSCAR] 05900875 (Generated: 07/19/2023 16:31:12) Rev: 1



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SAMPLE IMAGES





Certificate L2367