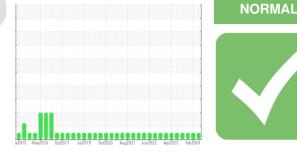


OIL ANALYSIS REPORT



Sample Rating Trend



DIAGNOSIS

Contamination

Fluid Condition

Wear

oil

Recommendation

DE Samples - CAT LAB CATERPILLAR 980K LOADER 6775 (S/N W7K01443) **Rear Differential** Fluid TULCO LUBSOIL TO-4 50 (17 GAL)

SAMPLE INFORMATION method TO10003400 TO10003117 TO10002818 Sample Number **Client Info** Client Info 04 May 2024 22 Feb 2024 04 Dec 2023 Sample Date 28486 Machine Age hrs **Client Info** 48683 27433 Oil Age hrs Client Info 502 48683 3631 Oil Changed **Client Info** Not Changd Not Changd Not Changd NORMAL NORMAL Sample Status NORMAL CONTAMINATION Water WC Method >.2 NEG NEG NEG WEAR METALS PQ ASTM D8184 71 76 69 Iron ASTM D5185m >500 73 68 69 ppm Chromium 0 0 ppm ASTM D5185m >3 <1 Nickel ASTM D5185m >3 0 0 0 ppm 0 0 ASTM D5185m >2 <1 Titanium ppm Silver ppm ASTM D5185m >2 0 0 0 Aluminum ASTM D5185m >30 1 2 2 ppm 0 Lead ASTM D5185m >13 <1 0 ppm 8 Copper ASTM D5185m >103 7 8 ppm 0 Tin ppm ASTM D5185m >5 <1 <1 0 Vanadium 0 ppm ASTM D5185m <1 Cadmium ppm ASTM D5185m 0 0 0 0 ASTM D5185m 4 <1 Boron ppm Barium ppm ASTM D5185m <1 0 0 Molybdenum ASTM D5185m 0 0 0 ppm Manganese ppm ASTM D5185m <1 1 <1 Magnesium 14 ppm ASTM D5185m 13 14 Calcium ASTM D5185m 3377 3185 3120 ppm Phosphorus ppm ASTM D5185m 1030 962 957 Zinc ppm ASTM D5185m 1184 1179 1191 Sulfur 5708 4749 4915 ppm ASTM D5185m CONTAMINANTS Silicon ppm ASTM D5185m >100 17 14 15 4 5 Sodium ppm ASTM D5185m 4 Potassium ASTM D5185m >20 0 0 <1 ppm

FLUID DEGRADATION		method			history
Acid Number (AN)	mg KOH/g	ASTM D8045	1.10	1.05	1.59

Resample at the next service interval to monitor.

There is no indication of any contamination in the

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

All component wear rates are normal.

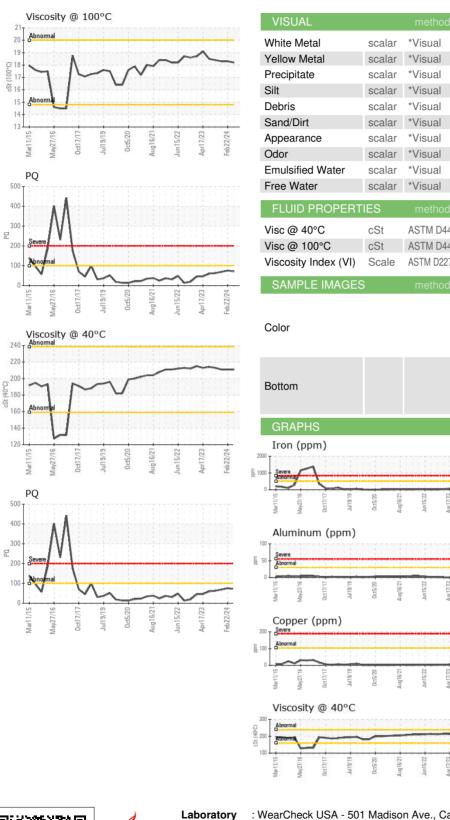
Area



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0

OIL ANALYSIS REPORT



NONE NORML NORML NORML NORML NORML NORML NORML NORML >.2 NEG NEG NEG NEG NEG NEG ASTM D445 211 211 211 ASTM D445 18.2 18.3 18.3 ASTM D2270 94 95 95 no image no image no image no image no image no image Lead (ppm) Chromium (ppm) Silicon (ppm) Severe Abnorma Ē. 10 Acid Number (6/HO) 2.0 : WearCheck USA - 501 Madison Ave., Cary, NC 27513 ANCHOR STONE TULSA ROCK Received : 10 May 2024 TULSA ROCK QUARRY, 66TH ST N 145TH AVENUE Tested : 13 May 2024 TULSA, OK Diagnosed : 13 May 2024 - Wes Davis US 74137 Contact: MIKE SNYDER

NONE

NONE

NONE

NONE

NONE

NONE

NONE

NONE

Test Package : MOB 2 (Additional Tests: KV100, PQ, VI) Certificate 12367 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.

: TO10003400

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: ANCTUL [WUSCAR] 06176196 (Generated: 07/15/2024 13:12:02) Rev: 1

Sample No.

Lab Number : 06176196

Unique Number : 11022249

Submitted By: SKIP SAENGERHAUSEN

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