

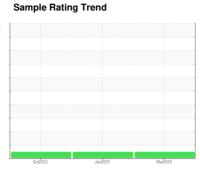
OIL ANALYSIS REPORT



CATERPILLAR 980M 6161 (S/N MK210767)

Front Right Differential

TULCO LUBSOIL TO-4 50 (--- GAL)





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10003350	TO10003039	TO10002792
Sample Date		Client Info		31 Mar 2024	26 Jan 2024	18 Oct 2023
Machine Age	hrs	Client Info		9552	8990	8534
Oil Age	hrs	Client Info		1318	756	300
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		74	71	16
Iron	ppm	ASTM D5185m	>500	122	90	16
Chromium	ppm	ASTM D5185m	>3	0	<1	<1
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	2	1
Lead	ppm	ASTM D5185m	>13	0	<1	0
Copper	ppm	ASTM D5185m	>103	10	6	3
Tin	ppm	ASTM D5185m	>5	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	2	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	3	1
Manganese	ppm	ASTM D5185m		2	1	<1
Magnesium	ppm	ASTM D5185m		26	29	29
Calcium	ppm	ASTM D5185m		3043	2819	2956
Phosphorus	ppm	ASTM D5185m		1057	1043	1025
Zinc	ppm	ASTM D5185m		1252	1201	1251
Sulfur	ppm	ASTM D5185m		7093	6314	6430
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	8	7	7
Sodium	ppm	ASTM D5185m		2	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.71	1.55	1.53



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number

: TO10003350 : 06142432

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** Unique Number : 10967240

: 08 Apr 2024 : 09 Apr 2024 : 11 Apr 2024 - Jonathan Hester Diagnosed

TULSA ROCK QUARRY, 66TH ST N 145TH AVENUE TULSA, OK US 74137 Contact: SKIP SAENGERHAUSEN

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.

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

T: (918)928-4575 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

ANCHOR STONE TULSA ROCK

skip@anchorstoneco.com