

OIL ANALYSIS REPORT

Sample Rating Trend

NC

NORMAL



CATERPILLAR 990K 6088 (S/N A9P00362) Component Front Differential

TULCO LUBSOIL TO-4 50 (52 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

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		TO10003014	TO10002890	TO10002442
Sample Date		Client Info		22 Mar 2024	06 Nov 2023	22 Aug 2023
Machine Age	hrs	Client Info		15413	14829	14321
Oil Age	hrs	Client Info		3925	3341	2833
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		33	28	27
Iron	ppm	ASTM D5185m	>500	34	24	22
Chromium	ppm	ASTM D5185m	>3	<1	0	<1
Nickel	ppm	ASTM D5185m	>3	2	<1	1
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>30	4	2	4
Lead	ppm	ASTM D5185m	>13	<1	0	<1
Copper	ppm	ASTM D5185m	>103	3	2	1
Tin	ppm	ASTM D5185m	>5	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	1
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		13	12	12
Calcium	ppm	ASTM D5185m		3399	3086	3526
Phosphorus	ppm	ASTM D5185m		979	925	972
Zinc	ppm	ASTM D5185m		1183	1146	1218
Sulfur	ppm	ASTM D5185m		5611	4788	5879
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	29	20	19
Sodium	ppm	ASTM D5185m		3	4	0
Potassium	ppm	ASTM D5185m	>20	3	0	3
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.13	1.03	0.99



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number : 06134168

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TO10003014

Unique Number : 10953633

Received : 29 Mar 2024 **Tested** : 01 Apr 2024 : 01 Apr 2024 - Wes Davis Diagnosed

ANCHOR STONE TULSA ROCK TULSA ROCK QUARRY, 66TH ST N 145TH AVENUE TULSA, OK US 74137 Contact: MIKE SNYDER

Test Package : MOB 2 (Additional Tests: KV100, PQ, VI) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

msnyder@anchorstoneco.com T: (417)850-9635 F:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: ANCTUL [WUSCAR] 06134168 (Generated: 06/13/2024 17:05:10) Rev: 1