

OIL ANALYSIS REPORT

T '

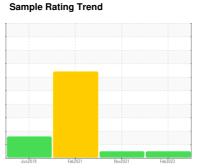
NORMAL



CATERPILLAR D9 DOZER 6022 (S/N ABK00919)

Component
Rear Left Final Drive

TULCO LUBSOIL TO-4 50 (--- 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

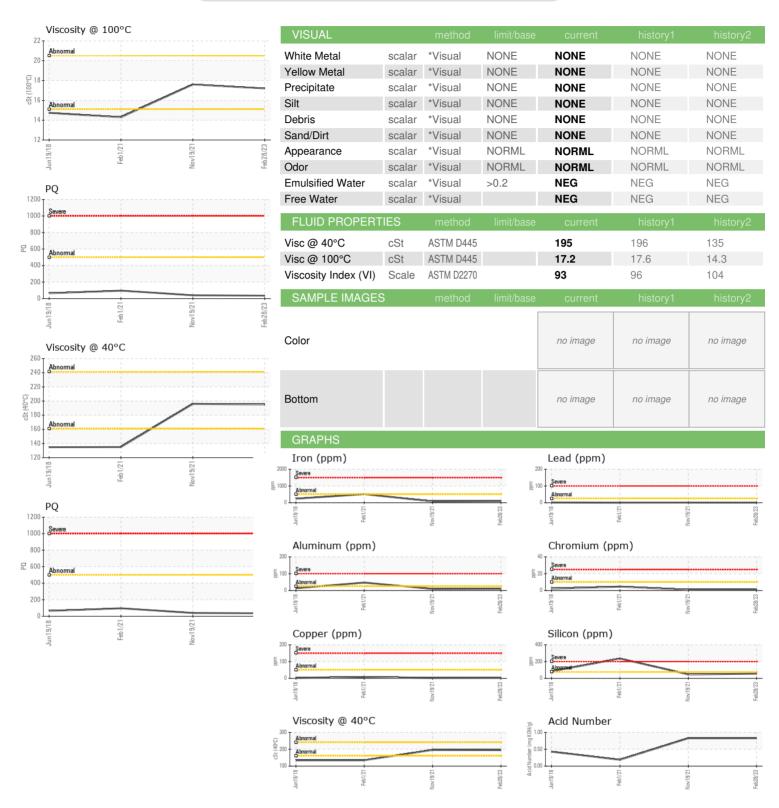
Fluid Condition

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

30 (GAL)		Jun201	8 Feb 2021	Nov2021 Fe	sb2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10001749	TO10000792	TO1007563
Sample Date		Client Info		28 Feb 2023	19 Nov 2021	01 Feb 2021
Machine Age	hrs	Client Info		16369	15868	15345
Oil Age	hrs	Client Info		1002	501	1015
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	SEVERE
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>500	35	40	96
Iron	ppm	ASTM D5185m	>500	101	80	<u></u> 512
Chromium	ppm	ASTM D5185m		1	<1	5
Nickel	ppm	ASTM D5185m		<1	0	3
Titanium	ppm	ASTM D5185m		<1	<1	3
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm		>25	11	10	△ 47
Lead	ppm	ASTM D5185m		<1	<1	0
Copper	ppm	ASTM D5185m	>50	3	2	8
Tin	ppm	ASTM D5185m		0	<1	0
Antimony	ppm	ASTM D5185m	7.0		0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	3	24
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		1	1	6
Magnesium	ppm	ASTM D5185m		19	24	48
Calcium	ppm	ASTM D5185m		4107	4609	1444
Phosphorus	ppm	ASTM D5185m		751	816	564
Zinc	ppm	ASTM D5185m		923	979	308
Sulfur	ppm	ASTM D5185m		5441	5295	9400
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	56	46	236
Sodium	ppm	ASTM D5185m		<1	3	5
Potassium	ppm	ASTM D5185m	>20	4	1	15
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.83	0.829	0.188



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number**

Test Package

: TO10001749 : 05787463 : 10372134

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 09 Mar 2023 Diagnosed : 10 Mar 2023 Diagnostician : Wes Davis : MOB 2 (Additional Tests: KV100, PQ, VI)

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

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.

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

F:

msnyder@anchorstoneco.com

T: (417)850-9635

TULSA, OK US 74137