

OIL ANALYSIS REPORT

Sample Rating Trend





CATERPILLAR 980M 6141 (S/N KRS00885) Component

Front Differential

TULCO LUBSOIL TO-4 50 (3 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.

4 50 (3 GAL)						
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10002135	TO10001733	TO10001630
Sample Date		Client Info		03 Apr 2023	25 Jan 2023	25 Oct 2022
Machine Age	hrs	Client Info		10847	10348	9802
Oil Age	hrs	Client Info		1045	546	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
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		61	25	17
Iron	ppm	ASTM D5185m	>500	56	26	28
Chromium	ppm	ASTM D5185m	>3	<1	<1	0
Nickel	ppm	ASTM D5185m	>3	<1	<1	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>30	<1	1	0
Lead	ppm	ASTM D5185m	>13	0	<1	0
Copper	ppm	ASTM D5185m	>103	3	3	6
Tin	ppm	ASTM D5185m	>5	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	<1	16
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	3	24
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m		15	21	98
Calcium	ppm	ASTM D5185m		2596	2967	1595
Phosphorus	ppm	ASTM D5185m		837	915	716
Zinc	ppm	ASTM D5185m		1037	1150	894
Sulfur	ppm	ASTM D5185m		3752	5288	3052
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	12	12	4
Sodium	ppm	ASTM D5185m		<1	1	0
Potassium	ppm	ASTM D5185m	>20	1	0	0
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2

1.29

Acid Number (AN)

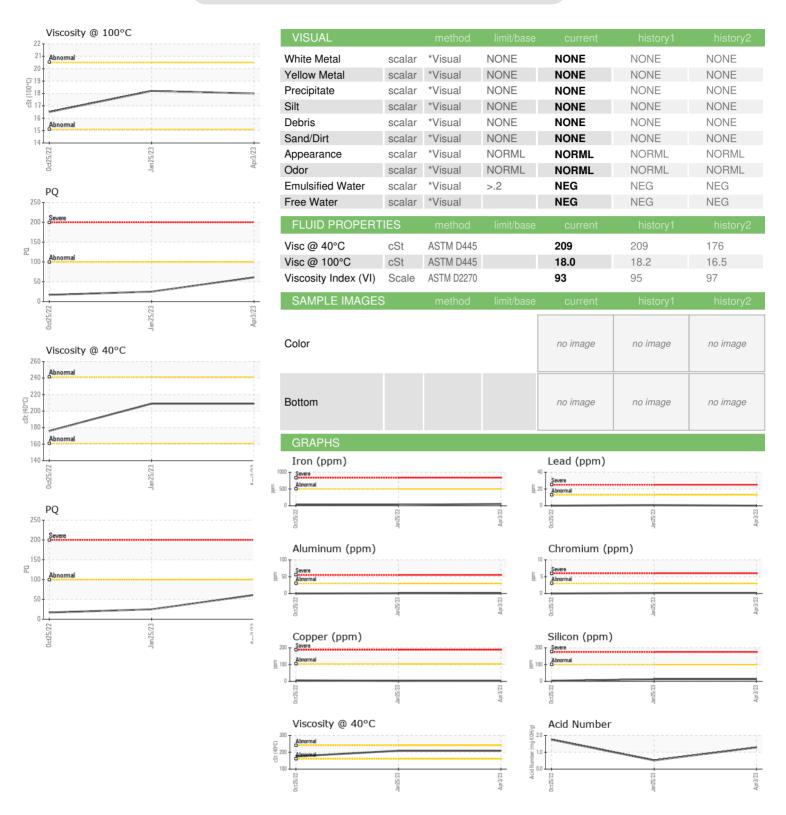
mg KOH/g ASTM D8045

0.518

1.75



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Certificate L2367

Laboratory Sample No.

Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TO10002135 : 05813497

Received **Tested** Unique Number: 10416289 Diagnosed

: 06 Apr 2023 : 13 Apr 2023

: 13 Apr 2023 - Don Baldridge

ANCHOR STONE TULSA ROCK TULSA ROCK QUARRY, 66TH ST N 145TH AVENUE

TULSA, OK US 74137

> Contact: MIKE SNYDER msnyder@anchorstoneco.com T: (417)850-9635

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

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

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