

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id **CATERPILLAR 980M 6141 (S/N KRS00885)** Rear Differential

TULCO LUBSOIL TO-4 50 (17 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

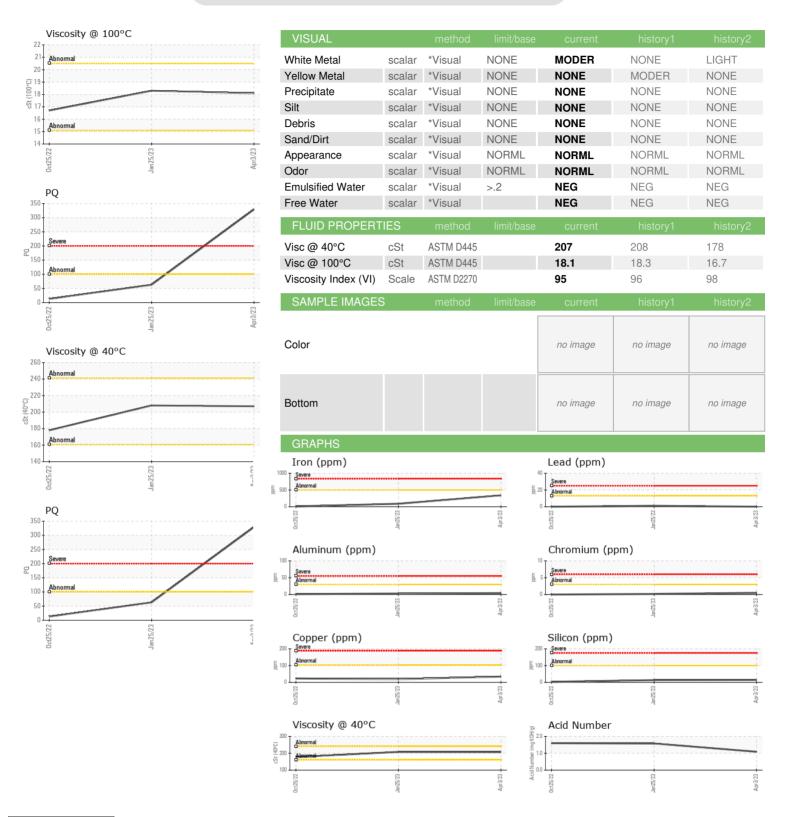
Fluid Condition

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

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10002139	TO10001602	TO10001629
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		329	63	13
Iron	ppm	ASTM D5185m	>500	339	88	10
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	4	3	2
Lead	ppm	ASTM D5185m	>13	0	1	0
Copper	ppm	ASTM D5185m	>103	34	19	23
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		2	1	17
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	24
Manganese	ppm	ASTM D5185m		3	1	1
Magnesium	ppm	ASTM D5185m		18	20	89
Calcium	ppm	ASTM D5185m		2877	3013	1583
Phosphorus	ppm	ASTM D5185m		914	910	706
Zinc	ppm	ASTM D5185m		1141	1143	877
Sulfur	ppm	ASTM D5185m		4626	5301	3002
CONTAMINANTS	8	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	14	13	3
Sodium	ppm	ASTM D5185m		1	1	0
Potassium	ppm	ASTM D5185m	>20	1	0	0
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.09	1.58	1.60



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Certificate L2367

Laboratory Sample No. Unique Number

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

: TO10002139 : 05813498

Received **Tested** : 10416290

: 06 Apr 2023 : 13 Apr 2023 Diagnosed : 13 Apr 2023 - Don Baldridge

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

Submitted By: SKIP SAENGERHAUSEN

TULSA, OK US 74137 Contact: MIKE SNYDER

msnyder@anchorstoneco.com

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)

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

F:

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