

OIL ANALYSIS REPORT

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Sample Rating Trend







CATERPILLAR 980M 6141 (S/N KRS00885) Component Front Left Final Drive

Fluid TULCO LUBSOIL TO-4 50 (3 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

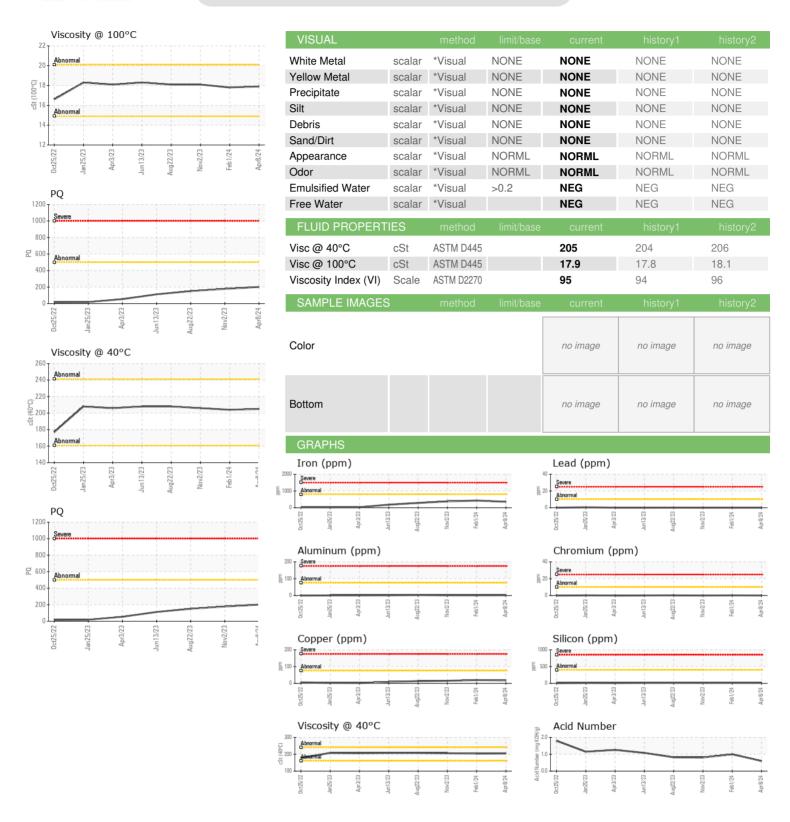
Fluid Condition

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		TO10003321	TO10002986	TO10002802
Sample Date		Client Info		08 Apr 2024	01 Feb 2024	02 Nov 2023
Machine Age	hrs	Client Info		13425	12901	12384
Oil Age	hrs	Client Info		3623	3099	2582
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	V	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	201		178
Iron	ppm	ASTM D5185m	>800	352	427	378
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>15	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	2	2	2
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	17	19	15
Tin	ppm	ASTM D5185m	>8	0	0	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	2	<1
Barium	ppm	ASTM D5185m		0	5	0
Molybdenum	ppm	ASTM D5185m		2	1	2
Manganese	ppm	ASTM D5185m		3	3	3
Magnesium	ppm	ASTM D5185m		15	20	20
Calcium	ppm	ASTM D5185m		2682	2929	2770
Phosphorus	ppm	ASTM D5185m		795	882	950
Zinc	ppm	ASTM D5185m		964	1202	1162
Sulfur	ppm	ASTM D5185m		4620	4893	4581
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	14	16	15
Sodium	ppm	ASTM D5185m		4	0	2
Potassium	ppm	ASTM D5185m	>20	0	2	0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.60	1.00	0.81



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Laboratory

Sample No.

: TO10003321

Lab Number : 06149571 Unique Number : 10979649

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

: 15 Apr 2024 : 16 Apr 2024 Diagnosed

: 16 Apr 2024 - Wes Davis

TULSA ROCK QUARRY, 66TH ST N 145TH AVENUE

TULSA, OK US 74137 Contact: MIKE SNYDER

ANCHOR STONE TULSA ROCK

msnyder@anchorstoneco.com

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

F:

T: (417)850-9635