

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL





CATERPILLAR 980M 6141 (S/N KRS00885) Component Rear Differential

Lead

Acid Number (AN)

Fluid
TULCO LUBSOIL TO-4 50 (17 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.

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50 (17 GAL)						
30 (17 GAL)			0ct2022	Jan2023		
SAMPLE INFORM	NOITAN	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10001602	TO10001629	
Sample Date		Client Info		25 Jan 2023	25 Oct 2022	
Machine Age	hrs	Client Info		10348	9802	
Oil Age	hrs	Client Info		546	0	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG	NEG	
MEADMETALC						
WEAR METALS		method	limit/base	current	history1	history2
PQ		method ASTM D8184	limit/base	current	history1	history2
	ppm		limit/base >500			
PQ	ppm ppm	ASTM D8184		63	13	
PQ Iron		ASTM D8184 ASTM D5185m	>500	63 88	13 10	
PQ Iron Chromium	ppm	ASTM D8184 ASTM D5185m ASTM D5185m	>500 >3	63 88 <1	13 10 0	
PQ Iron Chromium Nickel	ppm	ASTM D8184 ASTM D5185m ASTM D5185m ASTM D5185m	>500 >3 >3	63 88 <1 <1	13 10 0	

ppm ASTM D5185m >13

mg KOH/g ASTM D8045

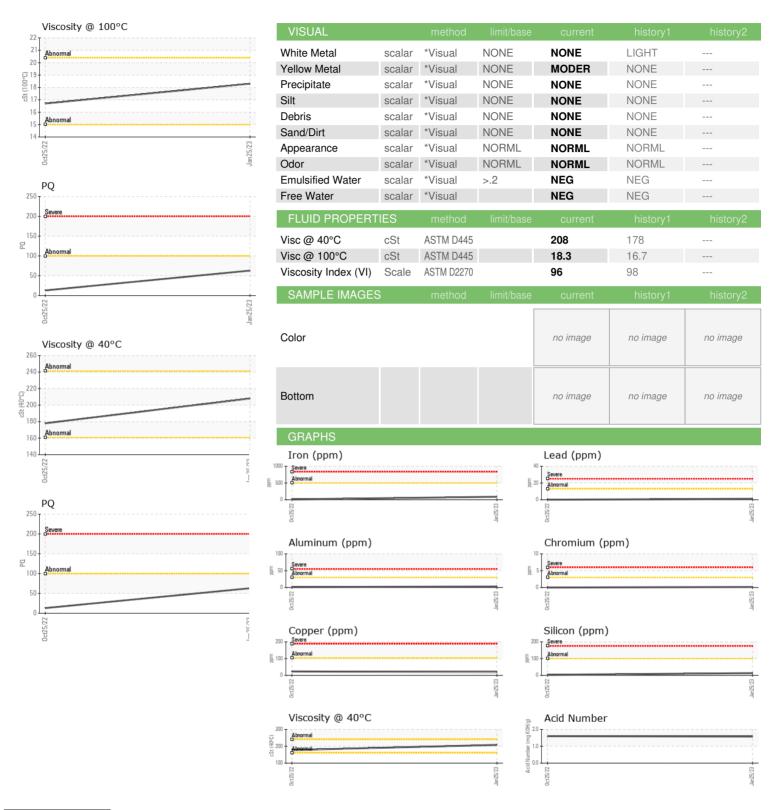
Copper	ppm	ASTM D5185m	>103	19	23	
Tin	ppm	ASTM D5185m	>5	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	17	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		2	24	
Manganese	ppm	ASTM D5185m		1	1	
Magnesium	ppm	ASTM D5185m		20	89	
Calcium	ppm	ASTM D5185m		3013	1583	
Phosphorus	ppm	ASTM D5185m		910	706	
Zinc	ppm	ASTM D5185m		1143	877	
Sulfur	ppm	ASTM D5185m		5301	3002	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	13	3	
Sodium	ppm	ASTM D5185m		1	0	
Potassium	ppm	ASTM D5185m	>20	0	0	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

1.58

1.60



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Certificate L2367

Unique Number: 10313302

Laboratory Sample No. Lab Number

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

: TO10001602 : 05753698

Received **Tested** Diagnosed

: 30 Jan 2023 : 31 Jan 2023

: 31 Jan 2023 - Don Baldridge

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

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

* - 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)

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