

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL





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

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.

50 (17 GAL)						
30 (17 GAL)				Oct2022		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10001629		
Sample Date		Client Info		25 Oct 2022		
Machine Age	hrs	Client Info		9802		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		13		
ron	ppm	ASTM D5185m	>500	10		
Chromium	ppm	ASTM D5185m	>3	0		
Nickel	ppm	ASTM D5185m	>3	0		
Γitanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>30	2		
_ead	ppm	ASTM D5185m	>13	0		
Copper	ppm	ASTM D5185m	>103	23		
Γin	ppm	ASTM D5185m	>5	0		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		17		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		24		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		89		
Calcium	ppm	ASTM D5185m		1583		
Phosphorus	ppm	ASTM D5185m		706		
Zinc	ppm	ASTM D5185m		877		
Sulfur	ppm	ASTM D5185m		3002		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	3		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	0		

FLUID DEGRADATION method

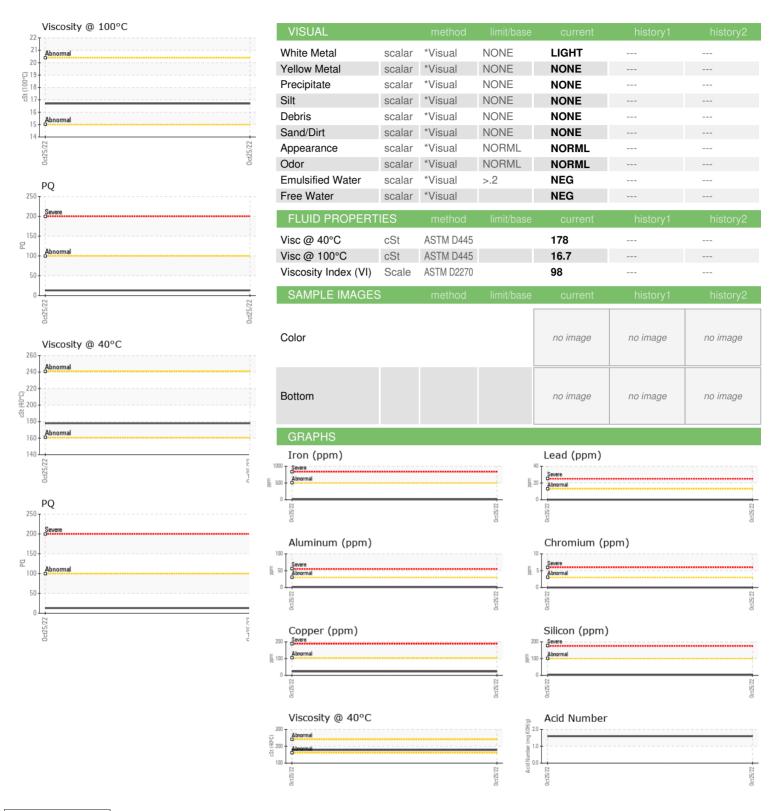
mg KOH/g ASTM D8045

Acid Number (AN)

1.60



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Laboratory Sample No. Unique Number: 10202495

Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TO10001629

: 05682923

Received **Tested** Diagnosed

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

: 02 Nov 2022

: 03 Nov 2022 : 04 Nov 2022 - Angela Borella

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

US 74137

Test Package: MOB 2 (Additional Tests: KV100, PQ, VI) Contact: MIKE SNYDER Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. msnyder@anchorstoneco.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (417)850-9635

F: