

## **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL



Machine Id **CATERPILLAR 980M 6141 (S/N KRS00885)** Component **Rear 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	<b>MATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10001631		
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		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>500	12		
Iron	ppm	ASTM D5185m	>500	11		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>50	24		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	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		90		
Calcium	ppm	ASTM D5185m		1610		
Phosphorus	ppm	ASTM D5185m		710		
Zinc	ppm	ASTM D5185m		894		
Sulfur	ppm	ASTM D5185m		3061		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	3		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.53		



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

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

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Contact/Location: MIKE SNYDER - ANCTUL Page 2 of 2