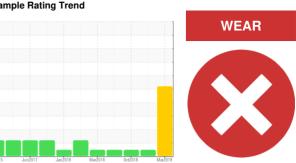


PROBLEM SUMMARY

Sample Rating Trend

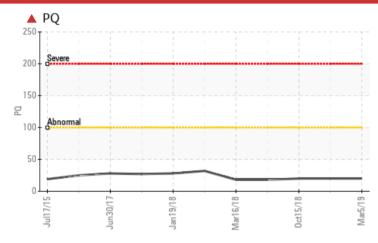




DE Samples - CAT LAB CATERPILLAR 990H LOADER 6572 (S/N BWX00474) Front Differential

4-50 LUBSOIL (52 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We suspect abnormal metal contamination may be due to sampling method. We advise that you inspect for possible wear. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS							
Sample Status				SEVERE	NORMAL	NORMAL	
PQ		ASTM D8184		2 0	20	20	
Yellow Metal	scalar	*Visual	NONE	HEAVY	NONE	NONE	

Customer Id: ANCTUL **Sample No.:** TO1005943 Lab Number: 04679530 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 ihester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
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Inspect Wear Source

MISSED Feb 12 2020 We advise that you inspect for the source(s) of wear.

HISTORICAL DIAGNOSIS

02 Jan 2019 Diag: Wes Davis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



15 Oct 2018 Diag: Wes Davis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



04 May 2018 Diag: Don Baldridge

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT



Sample Rating Trend







DE Samples - CAT LAB CATERPILLAR 990H LOADER 6572 (S/N BWX00474)

Front Differential

4-50 LUBSOIL (52 GA

DIAGNOSIS

Recommendation

We suspect abnormal metal contamination may be due to sampling method. We advise that you inspect for possible wear. Resample at the next service interval to monitor.

High concentration of visible metal present. 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.

L)		Jul2015	Jun2017 Jan2018	Mar2018 Oct2018	Mar2019	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO1005943	TO1006443	TO1006417
Sample Date		Client Info		05 Mar 2019	02 Jan 2019	15 Oct 2018
Machine Age	hrs	Client Info		23300	22915	22477
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				SEVERE	NORMAL	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		2 0	20	20
Iron	ppm	ASTM D5185m	>500	10	9	8
Chromium	ppm	ASTM D5185m	>3	<1	<1	<1
Nickel	ppm	ASTM D5185m	>3	<1	2	<1
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>30	1	2	1
Lead	ppm	ASTM D5185m	>13	4	3	4
Copper	ppm	ASTM D5185m	>103	32	28	22
Tin	ppm	ASTM D5185m	>5	2	0	1
Antimony	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	1	2
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		10	10	10
Calcium	ppm	ASTM D5185m		3664	3442	3524
Phosphorus	ppm	ASTM D5185m		818	732	759
Zinc	ppm	ASTM D5185m		944	912	878
Sulfur	ppm	ASTM D5185m		4035	3372	5388
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	11	12	10
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	1	0	<1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045

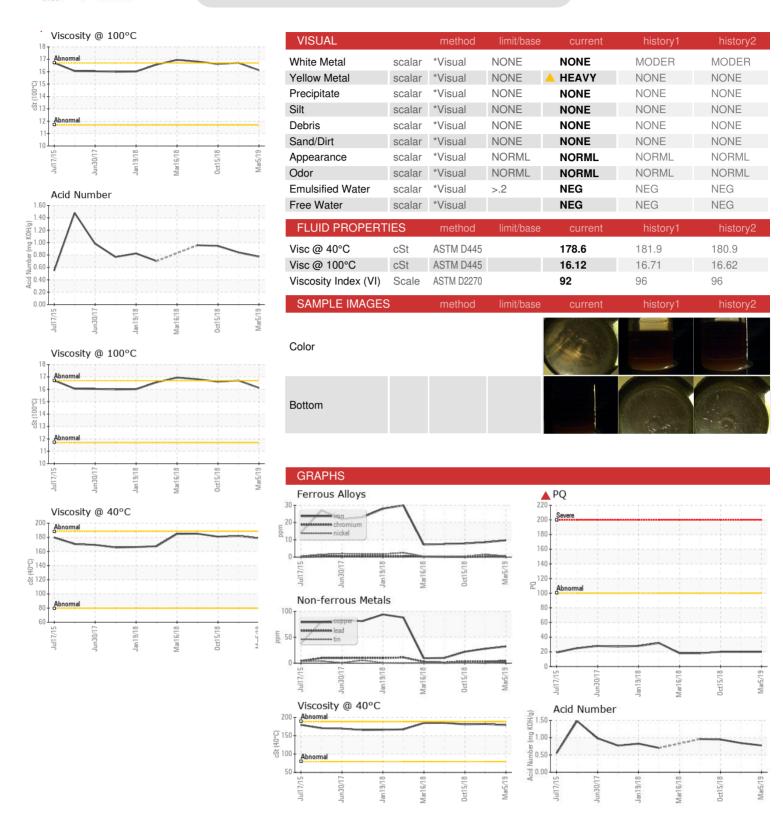
0.842

0.773

0.946



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No.

: TO1005943 Lab Number : 04679530 Unique Number : 8541045

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

: 27 Mar 2019 **Tested** : 28 Mar 2019 Diagnosed : 28 Mar 2019 - Jonathan Hester

ANCHOR STONE TULSA ROCK TULSA ROCK QUARRY, 66TH ST N 145TH AVENUE TULSA, OK US 74137

Contact: DAVID MORRIS

dmorris@anchorstoneco.com

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

Report Id: ANCTUL [WUSCAR] 04679530 (Generated: 05/30/2024 10:14:38) Rev: 1

Contact/Location: DAVID MORRIS - ANCTUL

T:

F: