

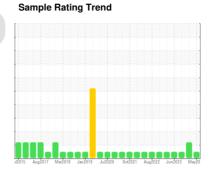
OIL ANALYSIS REPORT



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

Front Differential

TULCO LUBSOIL TO-4 50 (52 GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

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.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10002096	TO10003376	TO10002849
Sample Date		Client Info		29 May 2024	04 Mar 2024	27 Nov 2023
Machine Age	hrs	Client Info		32161	31604	31072
Oil Age	hrs	Client Info		5867	5310	4778
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		36	32	21
Iron	ppm	ASTM D5185m	>500	36	30	33
Chromium	ppm	ASTM D5185m	>3	<1	<1	<1
Nickel	ppm	ASTM D5185m	>3	2	1	1
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>30	3	3	1
Lead	ppm	ASTM D5185m	>13	8	8	6
Copper	ppm	ASTM D5185m	>103	78	63	58
Tin	ppm	ASTM D5185m	>5	5	5	4
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		32	26	31
Calcium	ppm	ASTM D5185m		3941	3426	3993
Phosphorus	ppm	ASTM D5185m		800	766	896
Zinc	ppm	ASTM D5185m		1048	816	1034
Sulfur	ppm	ASTM D5185m		5368	4664	4798
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	21	18	20
Sodium	ppm	ASTM D5185m		2	6	0
Potassium	ppm	ASTM D5185m	>20	3	3	3
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
A : I A		4 OTM DOG 45			0.70	0.01

0.85

Acid Number (AN)

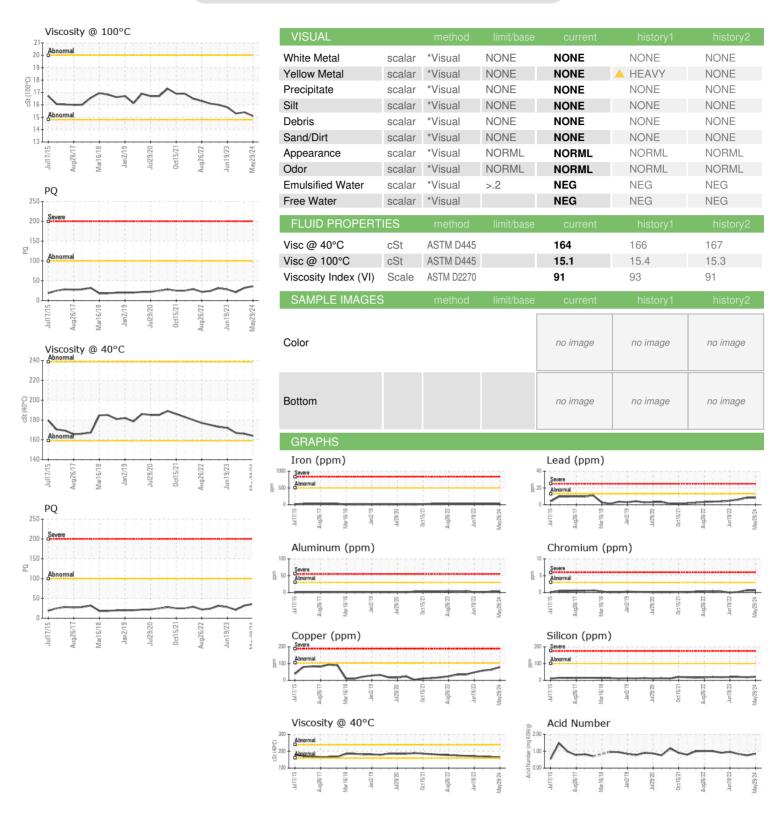
mg KOH/g ASTM D8045

0.76

0.84



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TO10002096

Lab Number : 06198320 Unique Number : 11060443

Tested

: 04 Jun 2024 Diagnosed : 06 Jun 2024 - Jonathan Hester

Received

: 03 Jun 2024

Test Package : MOB 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)

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