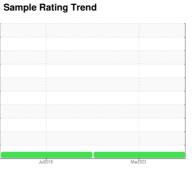


OIL ANALYSIS REPORT









Machine Id CATERPILLAR 12H GRADER 6438 (S/N 8MN00572) Component
Left Chain Drive

Fluid LUBSOIL TO-4 50 (--- C

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: 263 is the machine hr)

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.

GAL)			Jul2018	Mar2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10001720	TO1006384	
Sample Date		Client Info		20 Mar 2023	14 Jul 2018	
Machine Age	hrs	Client Info		263	13328	
Oil Age	hrs	Client Info		263	0	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		33	89	
Iron	ppm	ASTM D5185m	>200	24	89	
Chromium	ppm	ASTM D5185m	>10	<1	<1	
Nickel	ppm	ASTM D5185m	>10	<1	0	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m		3	2	
Lead	ppm	ASTM D5185m		<1	0	
Copper	ppm	ASTM D5185m		<1	<1	
Tin	ppm	ASTM D5185m		0	0	
Antimony	ppm	ASTM D5185m	>5		0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	6	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		<1	3	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		10	15	
Calcium	ppm	ASTM D5185m		3444	3986	
Phosphorus	ppm	ASTM D5185m		1026	932	
Zinc	ppm	ASTM D5185m		1279	1094	
Sulfur	ppm	ASTM D5185m		4814	4784	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		13	12	
Sodium	ppm	ASTM D5185m		2	<1	
Potassium	ppm	ASTM D5185m	>20	2	0	
Water	%	ASTM D6304	>0.2	NEG	NEG	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.10	1.181	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: TO10001720 Lab Number : 05804118

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

Received **Tested** Diagnosed

: 28 Mar 2023 : 31 Mar 2023 : 31 Mar 2023 - Jonathan Hester

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

Unique Number : 10401647 Test Package : MOB 2 (Additional Tests: KF, 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)

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

Report Id: ANCTUL [WUSCAR] 05804118 (Generated: 05/30/2024 12:04:09) Rev: 1

Submitted By: SKIP SAENGERHAUSEN