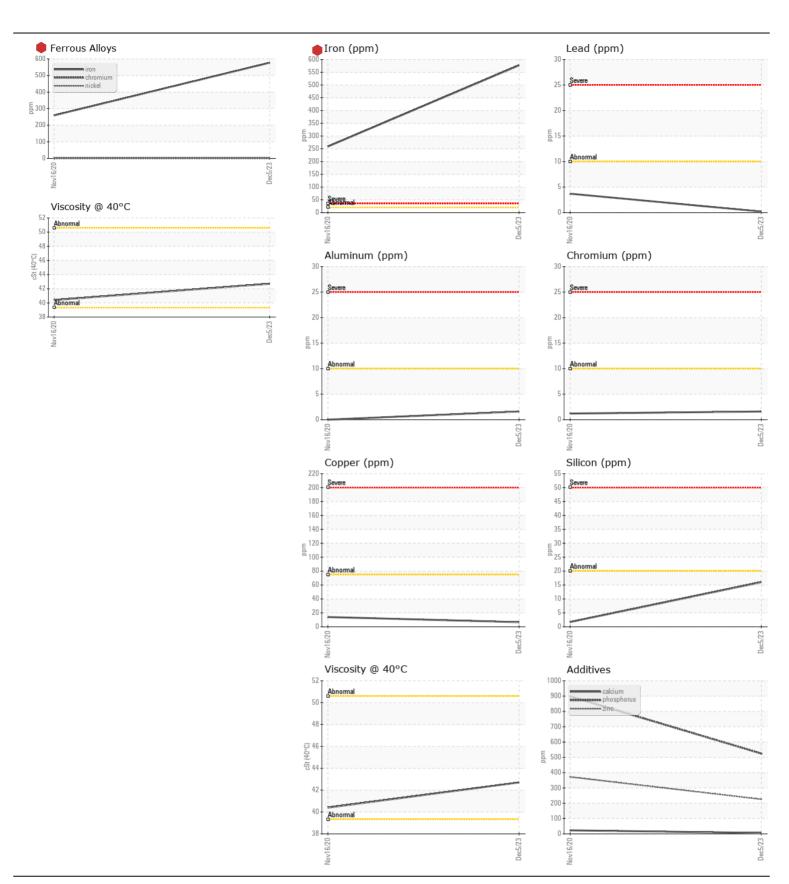
WEAR CONTAMINATION FLUID CONDITION

SEVERE NORMAL NORMAL

Machine Id

CATERPILLAR EH-60

Component Hydraulic System							
{not provided} (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.	Sample Number		Client Info		DC0030846	DC0006463	
	Sample Date		Client Info		05 Dec 2023	16 Nov 2020	
	Machine Age	hrs	Client Info		2701	1886	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		N/A	Changed	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				SEVERE	SEVERE	
WEAR	Iron	ppm	ASTM D5185m	>20	577	259	
The iron level is severe.	Chromium	ppm	ASTM D5185m		2	1	
	Nickel	ppm	ASTM D5185m		1	1	
	Titanium	ppm	ASTM D5185m	>10	0	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	\10	2	0	
	Lead	ppm	ASTM D5185m		<1	4	
	Copper	ppm	ASTM D5185m		7	14	
	Tin		ASTM D5185m		0	<1	
	Vanadium	ppm	ASTM D5185m	>10	0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
		Scalai	visuai				
CONTAMINATION There is no indication of any contamination in the oil.	Silicon	ppm	ASTM D5185m	>20	16	2	
	Potassium	ppm	ASTM D5185m	>20	2	1	
	Water		WC Method	>0.1	NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	4	
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		0	4	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		0	2	
	Manganese	ppm	ASTM D5185m		2	2	
	Magnesium	ppm	ASTM D5185m		0	- <1	
	Calcium	ppm	ASTM D5185m		6	23	
	Phosphorus	ppm	ASTM D5185m		525	898	
	Zinc	ppm	ASTM D5185m		226	372	
	Sulfur	ppm	ASTM D5185m		3283	1460	
	Visc @ 40°C	cSt	ASTM D445		42.7	40.4	





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

Test Package : MOB 1

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : DC0030846 Recieved : 06057071 Diagnosed : 10823020

: 10 Jan 2024 : 11 Jan 2024 Diagnostician : Doug Bogart **EQR - ENVIRONMENTAL QUALITY RESOURCES LLC**

1 CHURCHVIEW RD MILLERSVILLE, MD US 21108

Contact: CLARENCE NEWBERRY

cnewberry@eqrllc.com

* - 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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