

OIL ANALYSIS REPORT



ISO



1 CASE EXCAVATOR

Component

Diesel Engine

Diesel Engine

NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

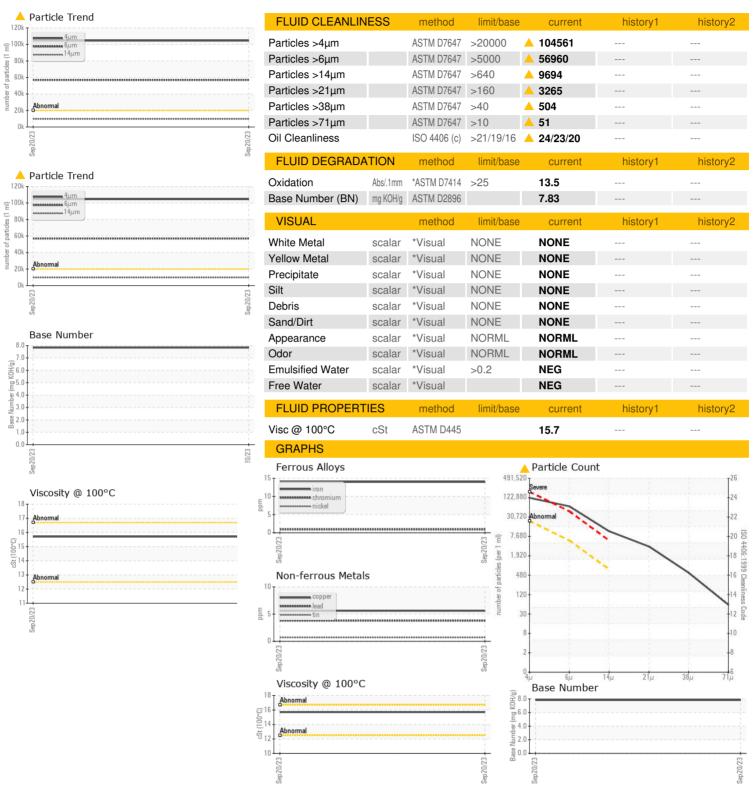
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

				Sep 2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0584599		
Sample Date		Client Info		20 Sep 2023		
Machine Age	mls	Client Info		0		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
CONTAMINATION	J	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	14		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	1		
Titanium	ppm	ASTM D5185m		8		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	3		
Lead	ppm	ASTM D5185m	>40	4		
Copper	ppm	ASTM D5185m	>330	6		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		143		
Barium	ppm	ASTM D5185m		2		
Molybdenum	ppm	ASTM D5185m		69		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		157		
Calcium	ppm	ASTM D5185m		1782		
Phosphorus	ppm	ASTM D5185m		900		
Zinc	ppm	ASTM D5185m		1120		
Sulfur	ppm	ASTM D5185m		3564		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5		
Nitration	Abs/cm	*ASTM D7624	>20	7.7		
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.1		



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Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number**

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

: 05960771 : 10661984

: WC0584599 Received : 25 Sep 2023 Diagnosed : 27 Sep 2023 : Don Baldridge Diagnostician

Test Package : MOB 2 (Additional Tests: PrtCount) To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

ARKANASAS INDUSTRIAL MANUFACTURING

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US 72416

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Contact/Location: Aurelio Azpiazu - ARKBON