

OIL ANALYSIS REPORT

2 CASE EXCAVATOR

Component

Diesel Engine

NOT GIVEN (--- GAL)





DIAGNOSIS

Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. 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. There is an abnormal amount of solids and carbon present in the oil. Elemental levels of silicon (Si) and aluminum (AI) indicate alumina-silicate (coarse dirt) ingress.

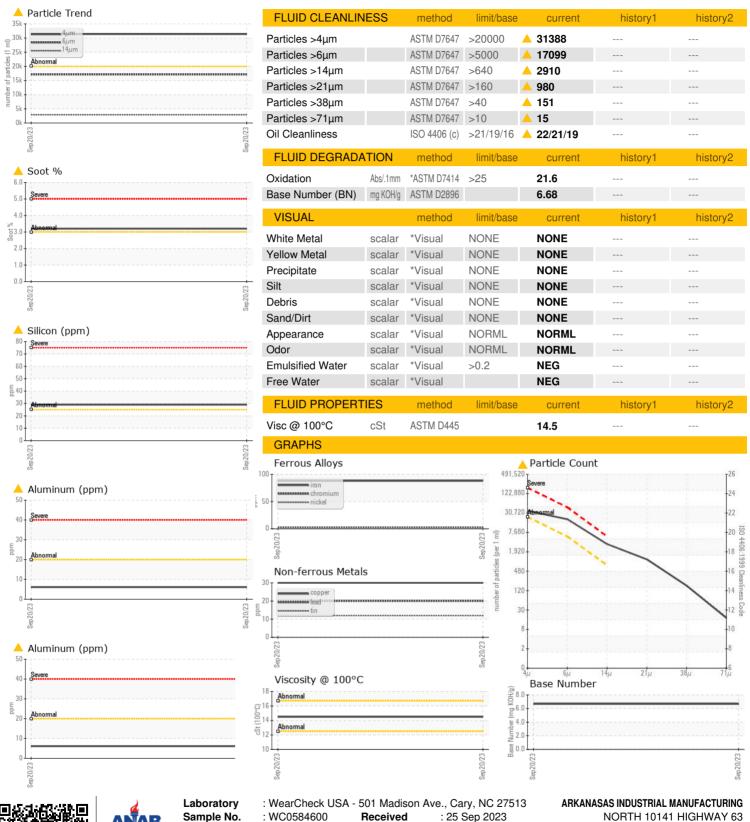
Fluid Condition

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

				Sep2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0584600		
Sample Date		Client Info		20 Sep 2023		
Machine Age	mls	Client Info		0		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATIO	N	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	88		
Chromium	ppm	ASTM D5185m	>20	3		
Nickel	ppm	ASTM D5185m	>4	2		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	<u>^</u> 6		
Lead	ppm	ASTM D5185m	>40	20		
Copper	ppm	ASTM D5185m	>330	30		
Tin	ppm	ASTM D5185m	>15	12		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		307		
Barium	ppm	ASTM D5185m		2		
Molybdenum	ppm	ASTM D5185m		85		
Manganese	ppm	ASTM D5185m		8		
Magnesium	ppm	ASTM D5185m		354		
Calcium	ppm	ASTM D5185m		1452		
Phosphorus	ppm	ASTM D5185m		983		
Zinc	ppm	ASTM D5185m		1262		
Sulfur	ppm	ASTM D5185m		3180		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	29		
Sodium	ppm	ASTM D5185m		6		
			>20	4		
Potassium	ppm	ASTM D5185m	>20	4		
Potassium INFRA-RED	ppm	ASTM D5185m method	limit/base	current	history1	history2
INFRA-RED	ppm %					
		method	limit/base >3	current	history1	history2



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Certificate L2367

Sample No. Lab Number **Unique Number**

: 05960772

: WC0584600 : 10661985

Received 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)

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