

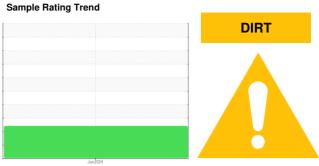
# **OIL ANALYSIS REPORT**

Machine Id

# JCB 940RTFL 256274 (S/N 2365469)

Diesel Engine

JCB 5W40 (4 GAL)



## **DIAGNOSIS**

#### Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

### Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

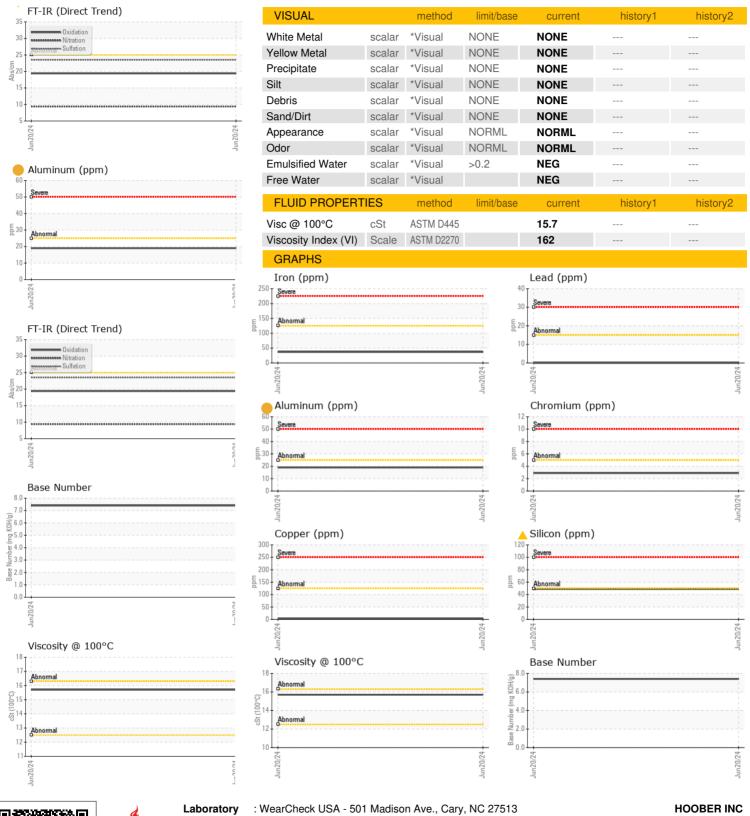
#### **Fluid Condition**

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.

				Jun 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JCB005498		
Sample Date		Client Info		20 Jun 2024		
Machine Age	hrs	Client Info		7995		
Oil Age	hrs	Client Info		500		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>125	37		
Chromium	ppm	ASTM D5185m	>5	3		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		2		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>25	<u> </u>		
Lead	ppm	ASTM D5185m	>15	0		
Copper	ppm	ASTM D5185m	>125	4		
Tin	ppm	ASTM D5185m	>4	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		157		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		26		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		144		
Calcium	ppm	ASTM D5185m		2624		
Phosphorus	ppm	ASTM D5185m		1219		
Zinc	ppm	ASTM D5185m		1512		
Sulfur	ppm	ASTM D5185m		4572		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>49</b>		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	7		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	9.4		
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.5		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.4		
Base Number (BN)	mg KOH/g	ASTM D2896		7.4		
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## **OIL ANALYSIS REPORT**





Certificate 12367

Sample No.

Lab Number : 06218036 Unique Number : 11096233

: JCB005498

Received **Tested** Diagnosed Test Package : MOB 1 ( Additional Tests: TBN, VI )

: 24 Jun 2024 : 25 Jun 2024

: 25 Jun 2024 - Sean Felton

43 INDUSTRIAL CIRCLE MIFFLINTOWN, PA US 17059 Contact: NATE SANDERS nksanders@hoober.com

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)

F: (717)463-2312

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