

OIL ANALYSIS REPORT

Sample Number

kms

kms

Sample Date

Machine Age

Oil Changed

Oil Age

Area [Z20096] **COMBIE CRANE JER267 - SAMPLE 3**

Hydraulic System

AW HYDRAULIC OIL ISO 46 (600 LTR)

DIAGNOSIS

Recommendation

We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition.

A Wear

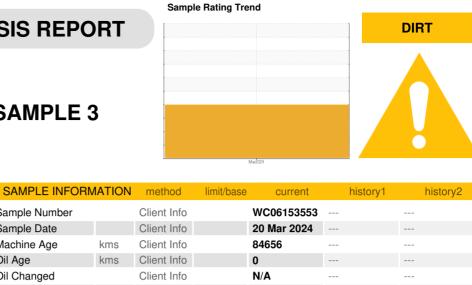
The iron level is abnormal. The chromium level is abnormal.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The condition of the oil is acceptable for the time in service.



Sample Status				ABNORMAL		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<u> </u>		
Chromium	ppm	ASTM D5185m	>10	<u> </u>		
Nickel	ppm	ASTM D5185m	>10	1		
Titanium	ppm	ASTM D5185m		2		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	<mark> </mark> 29		
Lead	ppm	ASTM D5185m	>10	2		
Copper	ppm	ASTM D5185m	>75	8		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0		
Barium	ppm	ASTM D5185m	5	2		
Molybdenum	ppm	ASTM D5185m	5	<1		

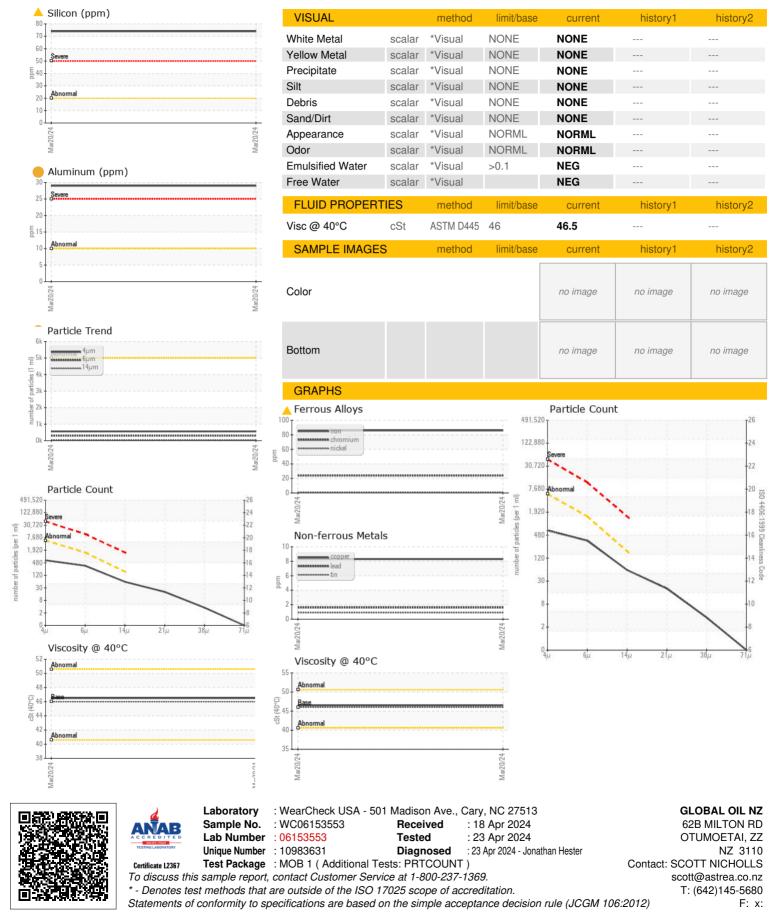
Molybdenum	ppm	ASTM D5185m	5	<1	
Manganese	ppm	ASTM D5185m		2	
Magnesium	ppm	ASTM D5185m	25	7	
Calcium	ppm	ASTM D5185m	200	174	
Phosphorus	ppm	ASTM D5185m	300	357	
Zinc	ppm	ASTM D5185m	370	409	
Sulfur	ppm	ASTM D5185m	2500	3017	

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	4 74		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	5		
FLUID CLEANLINESS		method	limit/base	current	history1	history2

Particles >4µm	ASTM D7647	>5000	557	
Particles >6µm	ASTM D7647	>1300	303	
Particles >14µm	ASTM D7647	>160	52	
Particles >21µm	ASTM D7647	>40	17	
Particles >38µm	ASTM D7647	>10	3	
Particles >71µm	ASTM D7647	>3	0	
Oil Cleanliness	ISO 4406 (c)	>19/17/14	16/15/13	



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Contact/Location: SCOTT NICHOLLS - GLOBALNZ