



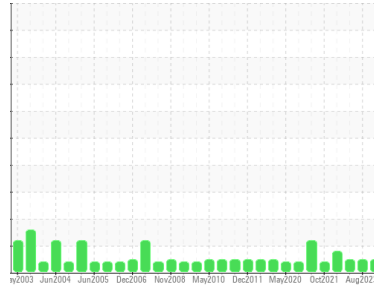
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**KOMATSU PC200LC 8304 (S/N A83585)**  
 Component  
**Hydraulic System**  
 Fluid  
**PETRO CANADA DURATRAN XL SYN BLEND (--- GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0888128</b>	WC0816324	WC0791019
Sample Date	Client Info		<b>11 Mar 2024</b>	23 Aug 2023	02 Mar 2023
Machine Age	hrs	Client Info	<b>3564</b>	2985	2516
Oil Age	hrs	Client Info	<b>3564</b>	2985	2516
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>3</b>	9	8
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m >10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	<1
Lead	ppm	ASTM D5185m >10	<b>&lt;1</b>	2	<1
Copper	ppm	ASTM D5185m >75	<b>4</b>	6	6
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 112	<b>17</b>	11	6
Barium	ppm	ASTM D5185m 1	<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m 1	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m 1	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m 10	<b>5</b>	9	7
Calcium	ppm	ASTM D5185m 3500	<b>838</b>	524	362
Phosphorus	ppm	ASTM D5185m 1200	<b>772</b>	761	650
Zinc	ppm	ASTM D5185m 1400	<b>915</b>	985	880
Sulfur	ppm	ASTM D5185m 2370	<b>2316</b>	2138	2058

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>2</b>	1	2
Sodium	ppm	ASTM D5185m	<b>0</b>	0	2
Potassium	ppm	ASTM D5185m >20	<b>0</b>	2	1

## FLUID CLEANLINESS

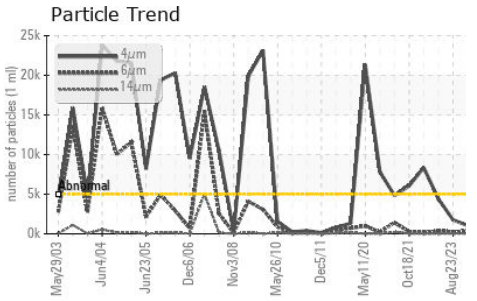
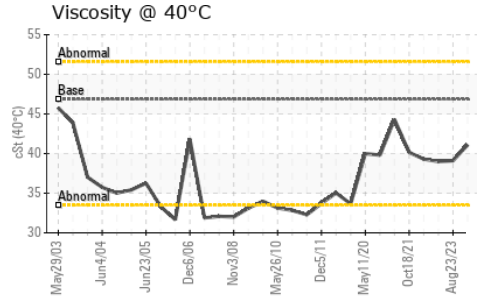
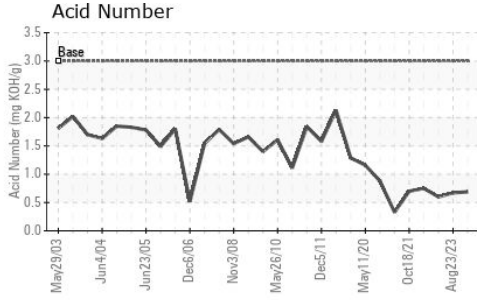
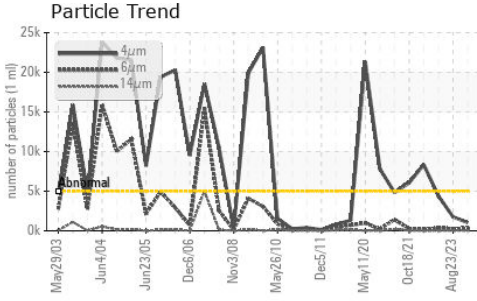
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>1048</b>	1759	4414
Particles >6µm	ASTM D7647	>1300	<b>310</b>	271	347
Particles >14µm	ASTM D7647	>160	<b>32</b>	28	29
Particles >21µm	ASTM D7647	>40	<b>8</b>	9	8
Particles >38µm	ASTM D7647	>10	<b>1</b>	0	0
Particles >71µm	ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>17/15/12</b>	18/15/12	19/16/12

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 3.0	<b>0.69</b>	0.67	0.60



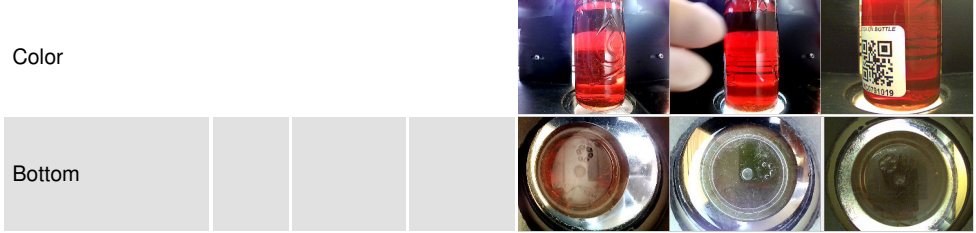
# OIL ANALYSIS REPORT



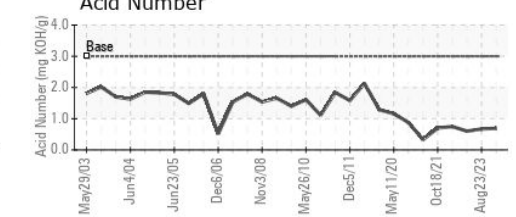
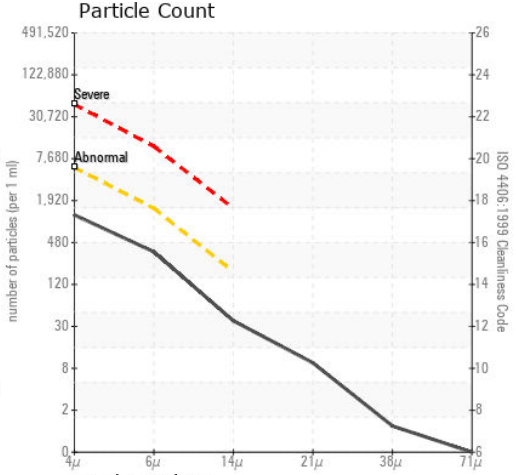
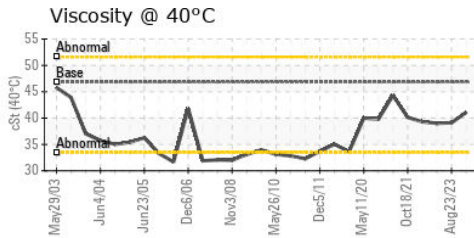
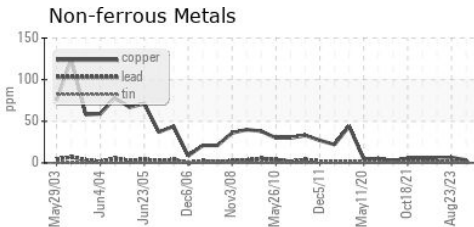
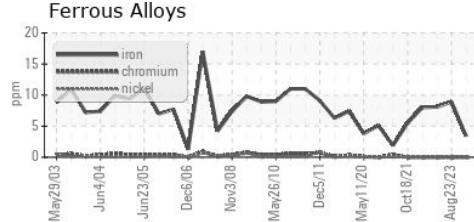
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.85	41.1	39.1

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0888128  
**Lab Number** : 06122274  
**Unique Number** : 10936425  
**Test Package** : CONST  
**Received** : 19 Mar 2024  
**Tested** : 20 Mar 2024  
**Diagnosed** : 21 Mar 2024 - Don Baldrige

**TRADER CONSTRUCTION CO.**  
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 US 28563  
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 mwyatt@traderconstruction.com  
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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)