



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**KOMATSU D39PXI23 DZ-35**  
Component  
**Hydraulic System**  
Fluid  
**{not provided} (--- QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>DC0035107</b>	DC0004507	---
Sample Date		Client Info		<b>08 Feb 2024</b>	24 Feb 2020	---
Machine Age	hrs	Client Info		<b>6355</b>	4220	---
Oil Age	hrs	Client Info		<b>2135</b>	0	---
Filter Age	hrs	Client Info		<b>2135</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	<b>12</b>	13	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	3	---
Lead	ppm	ASTM D5185m	>10	<b>10</b>	10	---
Copper	ppm	ASTM D5185m	>75	<b>16</b>	18	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

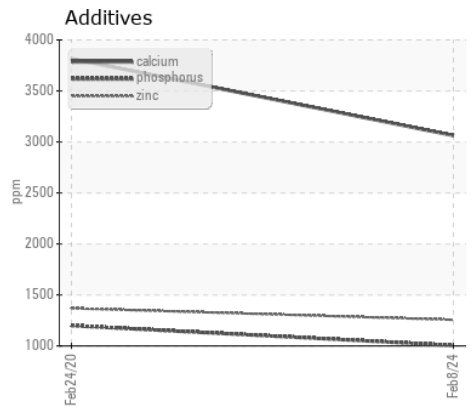
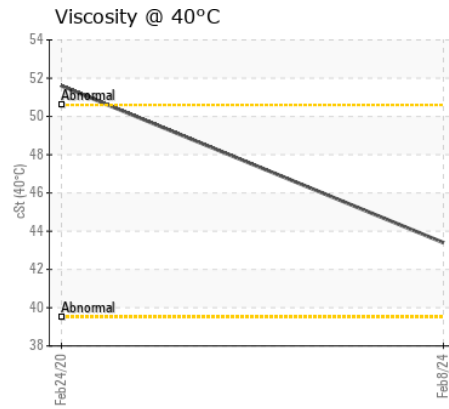
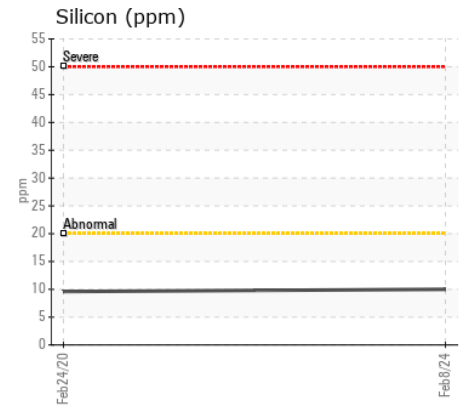
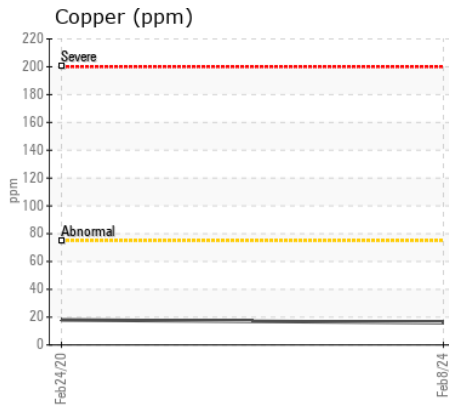
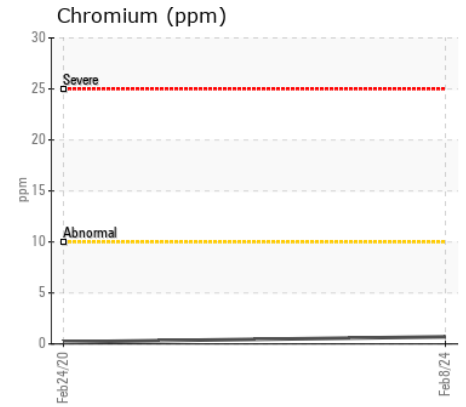
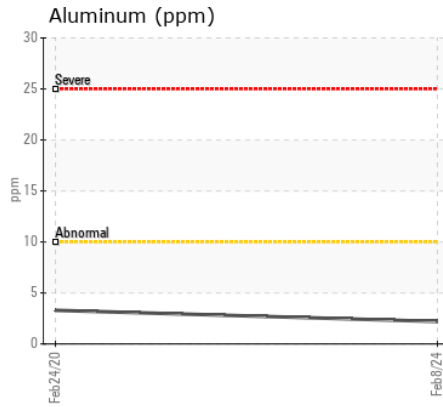
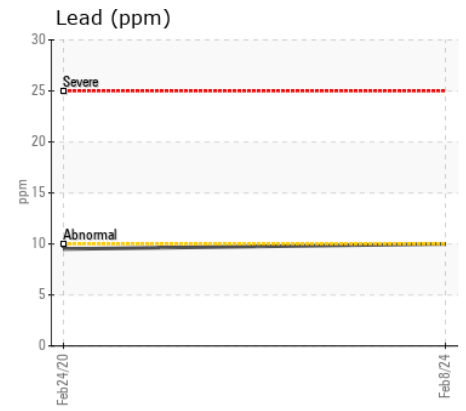
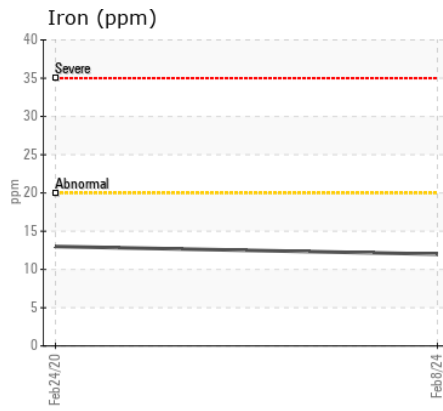
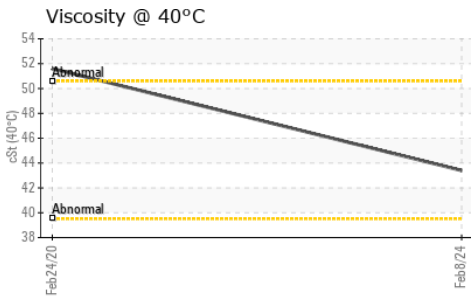
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>10</b>	10	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	3	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>5</b>	3	---
Boron	ppm	ASTM D5185m		<b>69</b>	30	---
Barium	ppm	ASTM D5185m		<b>5</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>21</b>	54	---
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>30</b>	12	---
Calcium	ppm	ASTM D5185m		<b>3063</b>	3816	---
Phosphorus	ppm	ASTM D5185m		<b>1005</b>	1199	---
Zinc	ppm	ASTM D5185m		<b>1256</b>	1369	---
Sulfur	ppm	ASTM D5185m		<b>5515</b>	6684	---
Visc @ 40°C	cSt	ASTM D445		<b>43.4</b>	51.6	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DC0035107  
**Lab Number** : 06103960  
**Unique Number** : 10902190  
**Test Package** : MOB 1

**Received** : 28 Feb 2024  
**Tested** : 29 Feb 2024  
**Diagnosed** : 01 Mar 2024 - Don Baldrige

**ROSS CONTRACTING INC.**  
 1007 RISING RIDGE ROAD  
 MOUNT AIRY, MD  
 US 21771

Contact: JONATHAN KUENTZ  
 jonathank@rosscontracting.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)

T: (301)831-5500  
 F: (301)831-5900