



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**KOMATSU WA600-6 6529**  
Component  
**Rear Differential**  
Fluid  
**TULCO LUBSOIL TO-4 50 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>TO10002722</b>	---	---
Sample Date		Client Info		<b>18 Oct 2023</b>	---	---
Machine Age	hrs	Client Info		<b>21834</b>	---	---
Oil Age	hrs	Client Info		<b>1079</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Not Changd</b>	---	---
Filter Changed		Client Info		<b>None</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		<b>31</b>	---	---
Iron	ppm	ASTM D5185m	>500	<b>47</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	---	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>100	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

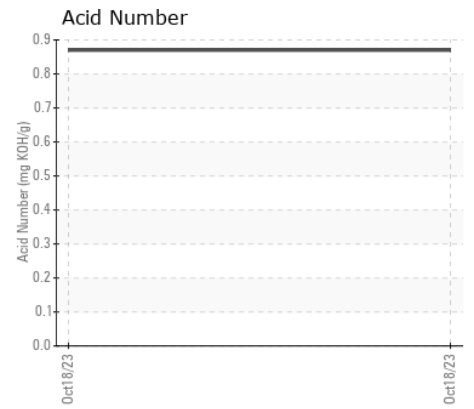
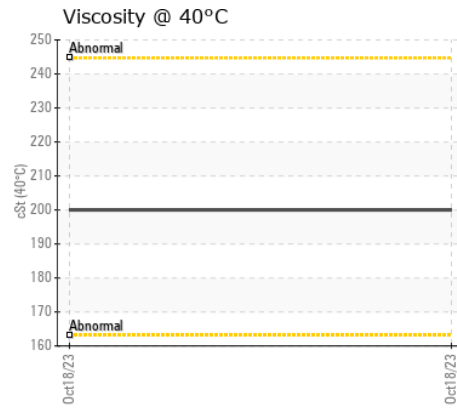
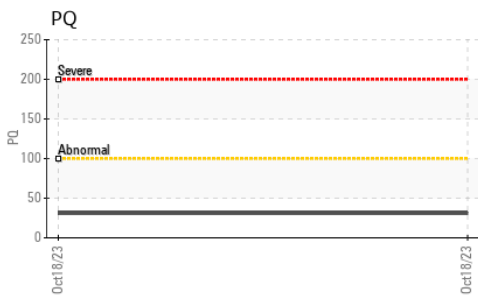
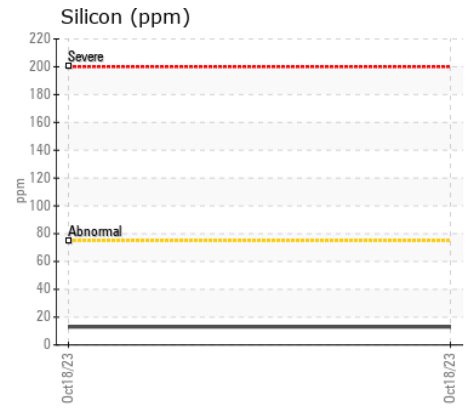
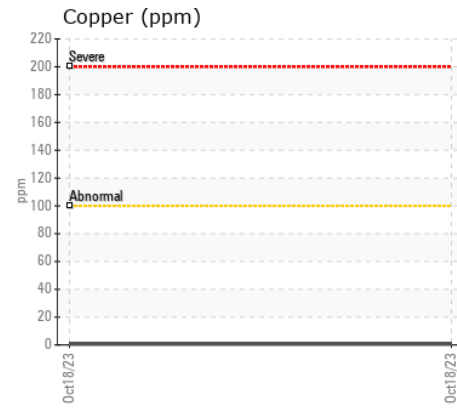
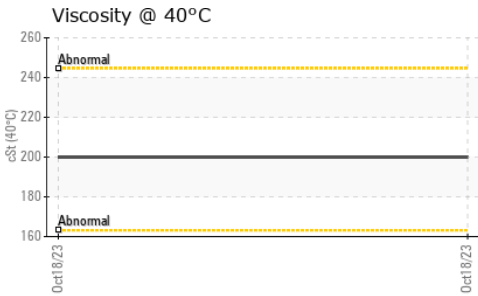
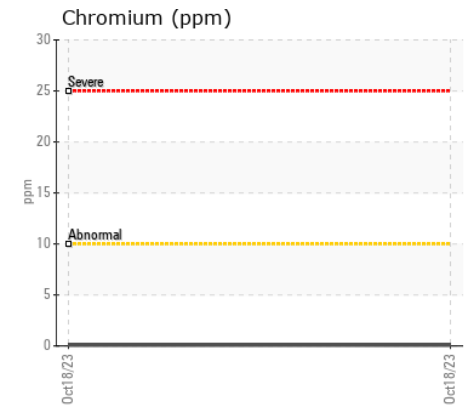
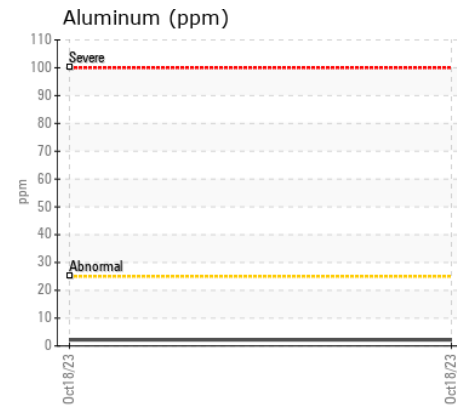
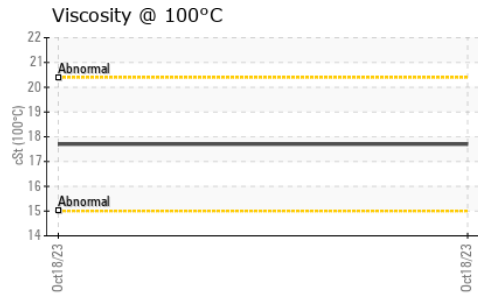
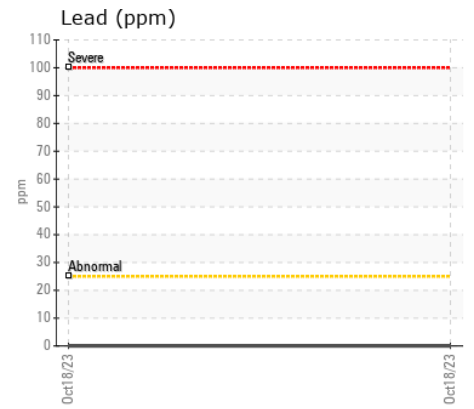
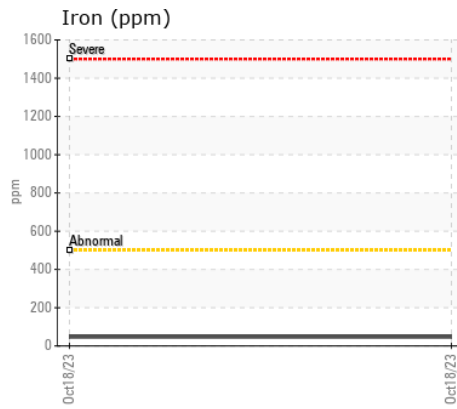
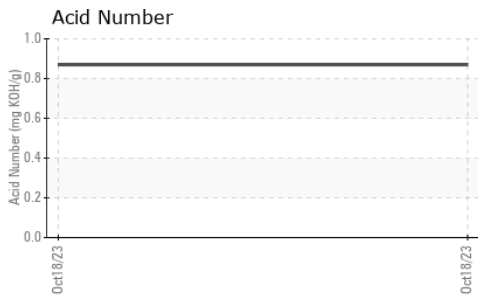
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>13</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---
Water		WC Method	>.2	<b>NEG</b>	---	---
Silt	scalar	*Visual	NONE	<b>LIGHT</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>.2	<b>NEG</b>	---	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>3</b>	---	---
Boron	ppm	ASTM D5185m		<b>0</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>18</b>	---	---
Calcium	ppm	ASTM D5185m		<b>4219</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>889</b>	---	---
Zinc	ppm	ASTM D5185m		<b>1068</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>4811</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.87</b>	---	---
Visc @ 40°C	cSt	ASTM D445		<b>200</b>	---	---
Visc @ 100°C	cSt	ASTM D445		<b>17.7</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270		<b>95</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : TO10002722

**Lab Number** : 05988267

**Unique Number** : 10710929

**Test Package** : MOB 2 ( Additional Tests: KV100, PQ, VI )

**Received** : 24 Oct 2023

**Tested** : 26 Oct 2023

**Diagnosed** : 26 Oct 2023 - Wes Davis

**ANCHOR STONE TULSA ROCK**

TULSA ROCK QUARRY, 66TH ST N 145TH AVENUE

TULSA, OK

US 74137

Contact: SKIP SAENGERHAUSEN

skip@anchorstoneco.com

T: (918)928-4575

F:

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)