



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Machine Id  
**KOMATSU WA600-6 6529**  
Component  
**Rear Right 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		TO10002725	---	---
Sample Date		Client Info		18 Oct 2023	---	---
Machine Age	hrs	Client Info		21834	---	---
Oil Age	hrs	Client Info		1079	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		None	---	---
Sample Status				MARGINAL	---	---

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		64	---	---
Iron	ppm	ASTM D5185m	>500	112	---	---
Chromium	ppm	ASTM D5185m	>10	<1	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	2	---	---
Lead	ppm	ASTM D5185m	>25	0	---	---
Copper	ppm	ASTM D5185m	>100	1	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

**CONTAMINATION**

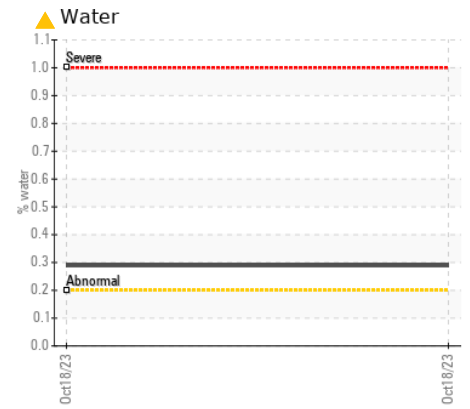
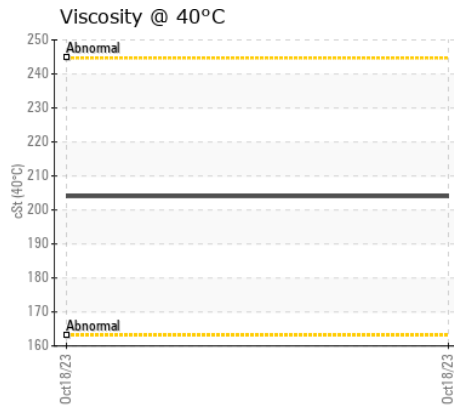
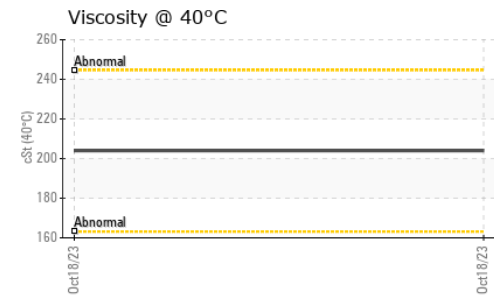
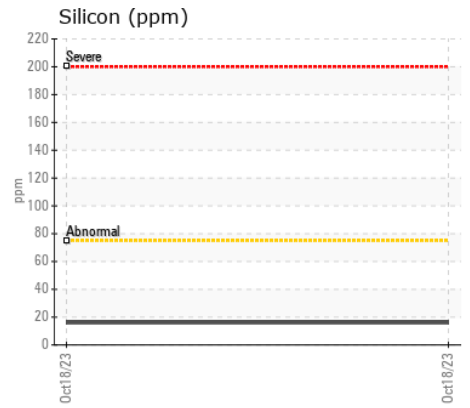
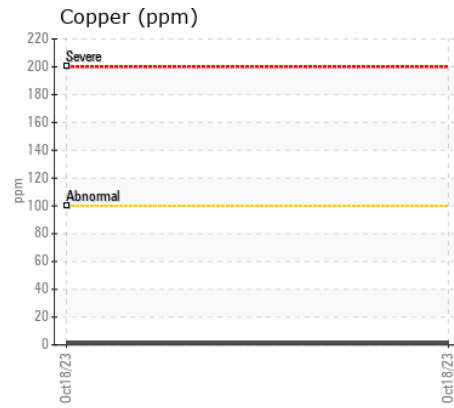
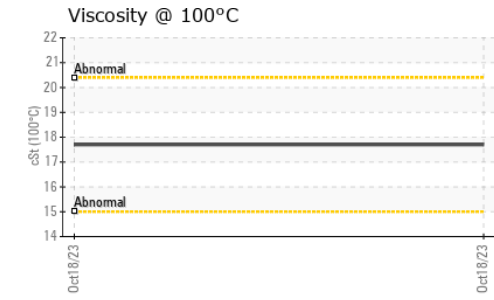
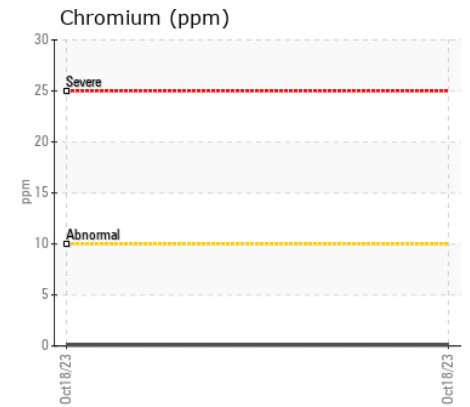
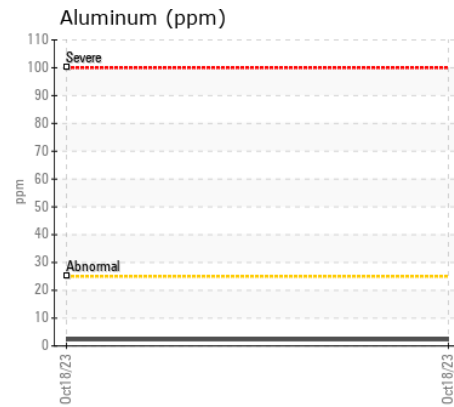
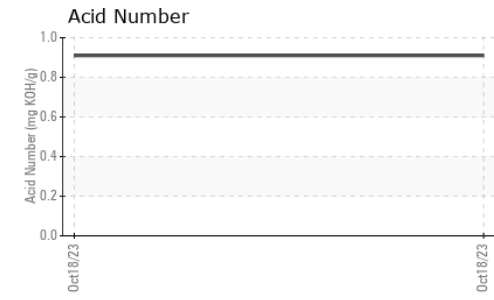
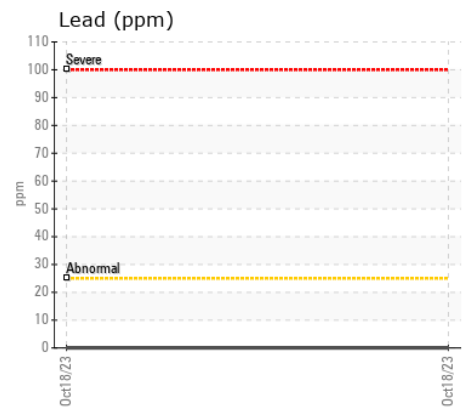
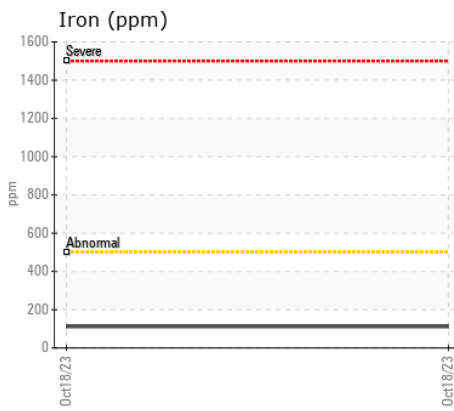
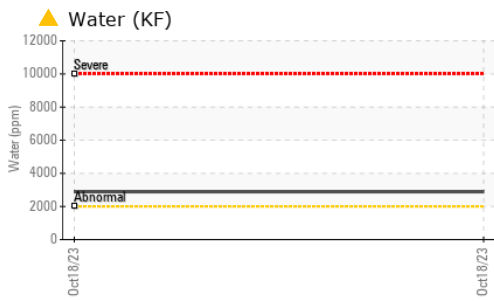
There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>75	16	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Water	%	ASTM D6304	>.2	▲ 0.289	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 2890	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>.2	0.2%	---	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		3	---	---
Boron	ppm	ASTM D5185m		0	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		1	---	---
Magnesium	ppm	ASTM D5185m		20	---	---
Calcium	ppm	ASTM D5185m		4340	---	---
Phosphorus	ppm	ASTM D5185m		923	---	---
Zinc	ppm	ASTM D5185m		1107	---	---
Sulfur	ppm	ASTM D5185m		4996	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.91	---	---
Visc @ 40°C	cSt	ASTM D445		204	---	---
Visc @ 100°C	cSt	ASTM D445		17.7	---	---
Viscosity Index (VI)	Scale	ASTM D2270		93	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO10002725 **Received** : 24 Oct 2023  
**Lab Number** : 05988270 **Tested** : 26 Oct 2023  
**Unique Number** : 10710932 **Diagnosed** : 26 Oct 2023 - Don Baldrige

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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)