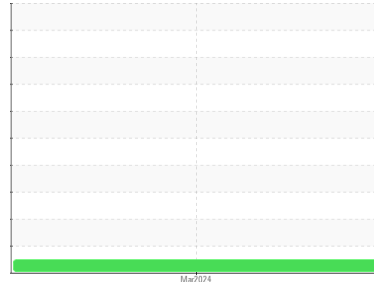




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
TADANO 1600-23T

Component
Hydraulic System

Fluid
SHELL TELLUS T32 (235 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

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	WC0917849	---	---
Sample Date	Client Info	26 Mar 2024	---	---
Machine Age	hrs Client Info	47	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	Filtered	---	---
Sample Status		NORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.05	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >20	0	---	---
Chromium	ppm ASTM D5185m >20	0	---	---
Nickel	ppm ASTM D5185m >20	0	---	---
Titanium	ppm ASTM D5185m	0	---	---
Silver	ppm ASTM D5185m	0	---	---
Aluminum	ppm ASTM D5185m >20	0	---	---
Lead	ppm ASTM D5185m >20	0	---	---
Copper	ppm ASTM D5185m >20	0	---	---
Tin	ppm ASTM D5185m >20	0	---	---
Vanadium	ppm ASTM D5185m	0	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	0	---	---
Barium	ppm ASTM D5185m	0	---	---
Molybdenum	ppm ASTM D5185m	0	---	---
Manganese	ppm ASTM D5185m	0	---	---
Magnesium	ppm ASTM D5185m	44	---	---
Calcium	ppm ASTM D5185m 48	3	---	---
Phosphorus	ppm ASTM D5185m 337	325	---	---
Zinc	ppm ASTM D5185m 426	269	---	---
Sulfur	ppm ASTM D5185m 2280	730	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	<1	---	---
Sodium	ppm ASTM D5185m	<1	---	---
Potassium	ppm ASTM D5185m >20	0	---	---

FLUID CLEANLINESS

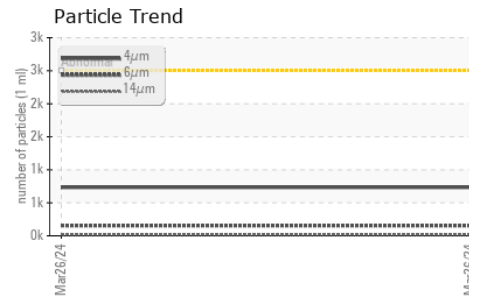
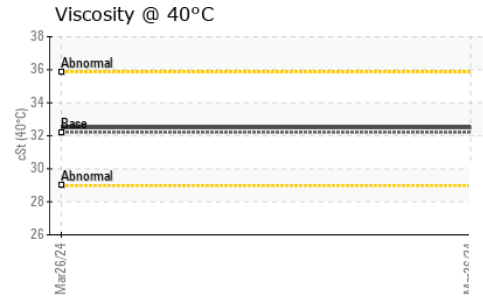
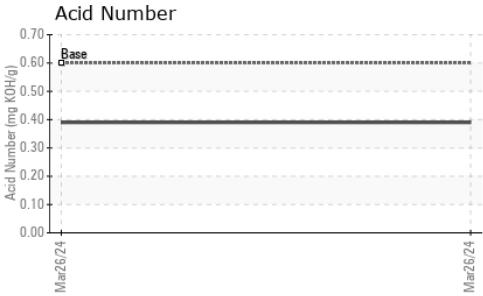
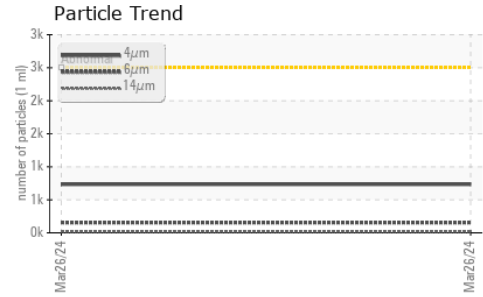
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >2500	734	---	---
Particles >6µm	ASTM D7647 >320	155	---	---
Particles >14µm	ASTM D7647 >80	18	---	---
Particles >21µm	ASTM D7647 >20	4	---	---
Particles >38µm	ASTM D7647 >4	0	---	---
Particles >71µm	ASTM D7647 >3	0	---	---
Oil Cleanliness	ISO 4406 (c) >18/15/13	17/14/11	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 .6	0.39	---	---



OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
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	>0.05	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

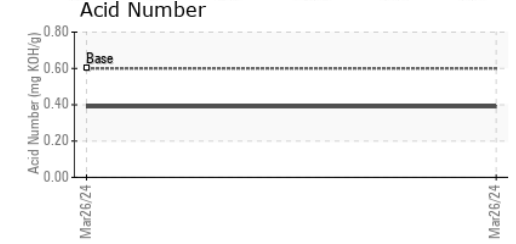
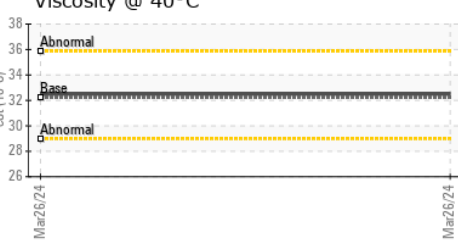
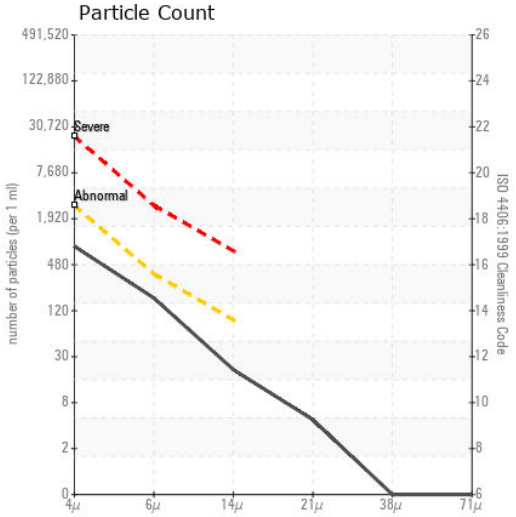
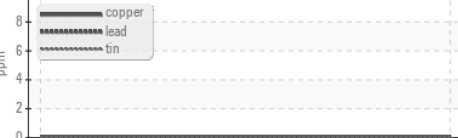
FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	32.21	32.5	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

Bottom

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC0917849
 Lab Number : **06130588**
 Unique Number : 10950053
 Test Package : IND 2

Received : 27 Mar 2024
 Tested : 28 Mar 2024
 Diagnosed : 28 Mar 2024 - Wes Davis

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 T:
 F: (615)370-5670

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)