



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id  
**TADANO 350-131T**  
 Component  
**Hydraulic System**  
 Fluid  
**SHELL TELLUS T32 (107 GAL)**

## RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

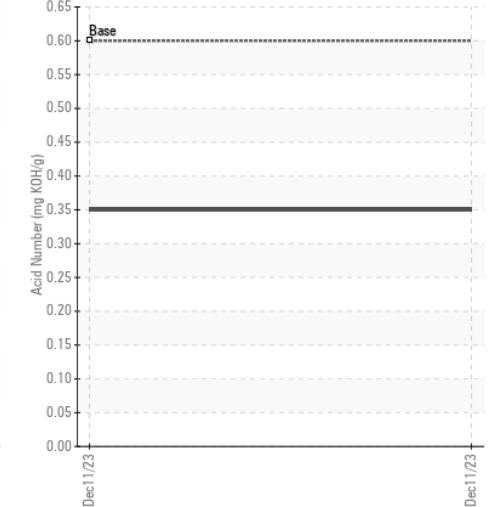
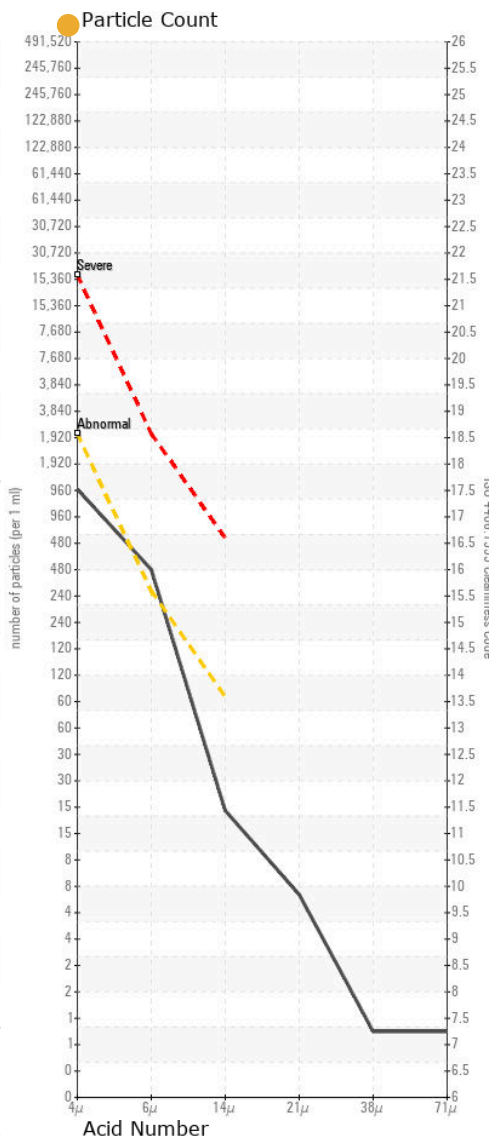
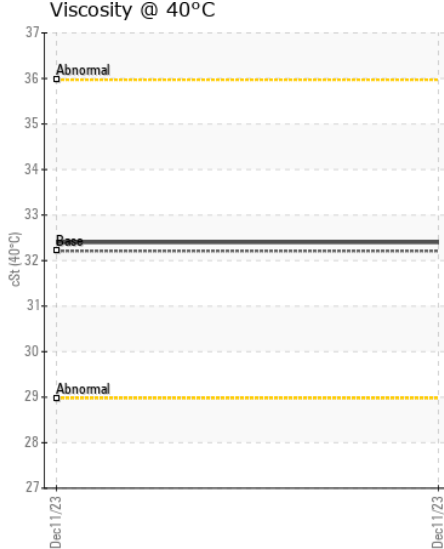
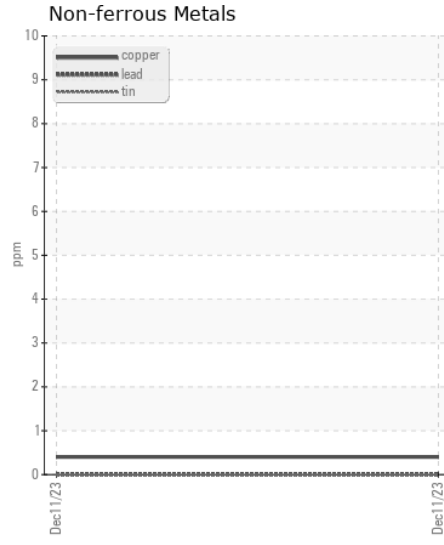
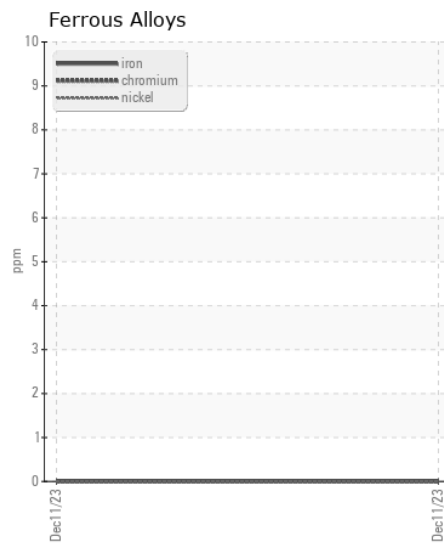
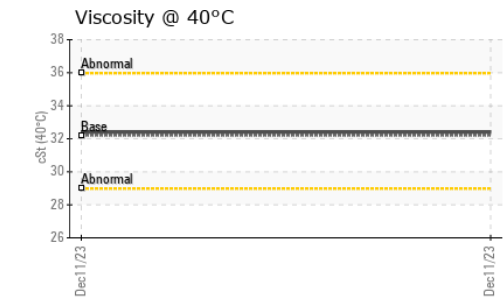
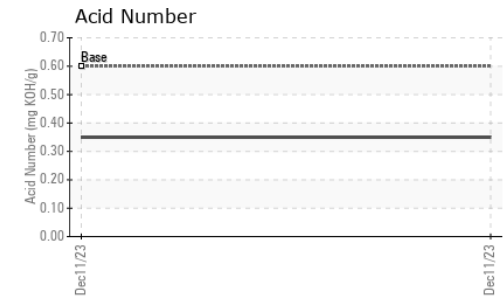
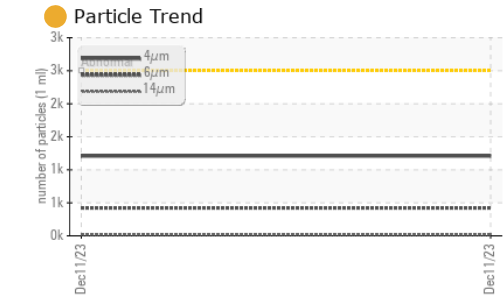
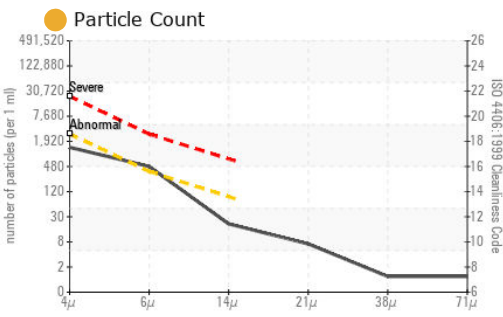
## CONTAMINATION

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0869241	---	---
Sample Date		Client Info		11 Dec 2023	---	---
Machine Age	hrs	Client Info		28	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Filtered	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ATTENTION	---	---
Iron	ppm	ASTM D5185m	>20	0	---	---
Chromium	ppm	ASTM D5185m	>20	0	---	---
Nickel	ppm	ASTM D5185m	>20	0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>20	0	---	---
Lead	ppm	ASTM D5185m	>20	0	---	---
Copper	ppm	ASTM D5185m	>20	<1	---	---
Tin	ppm	ASTM D5185m	>20	0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>15	1	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water		WC Method	>0.05	NEG	---	---
Particles >4µm		ASTM D7647	>2500	1209	---	---
Particles >6µm		ASTM D7647	>320	422	---	---
Particles >14µm		ASTM D7647	>80	18	---	---
Particles >21µm		ASTM D7647	>20	6	---	---
Particles >38µm		ASTM D7647	>4	1	---	---
Particles >71µm		ASTM D7647	>3	1	---	---
Oil Cleanliness		ISO 4406 (c)	>18/15/13	17/16/11	---	---
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	---	---
Sodium	ppm	ASTM D5185m		<1	---	---
Boron	ppm	ASTM D5185m		0	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		0	---	---
Magnesium	ppm	ASTM D5185m		47	---	---
Calcium	ppm	ASTM D5185m	48	4	---	---
Phosphorus	ppm	ASTM D5185m	337	334	---	---
Zinc	ppm	ASTM D5185m	426	277	---	---
Sulfur	ppm	ASTM D5185m	2280	695	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	.6	0.35	---	---
Visc @ 40°C	cSt	ASTM D445	32.21	32.4	---	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0869241 **Received** : 13 Dec 2023  
**Lab Number** : 06033446 **Tested** : 14 Dec 2023  
**Unique Number** : 10783237 **Diagnosed** : 14 Dec 2023 - Wes Davis  
**Test Package** : IND 2

**TADANO MANTIS CORPORATION**  
 2680 S FRONT ST  
 RICHLANDS, VA  
 US 24641  
 Contact: CHRIS RASNAKE  
 chris.rasnake@tadano.com  
 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)