



# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**GTC 1200-293P**  
 Component  
**Hydraulic System**  
 Fluid  
**SHELL TELLUS T32 (410 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

Sample Number	Client Info	method	limit/base	current	history1	history2
WC0917858	---	---	---	---	---	---
Sample Date	Client Info	method	limit/base	current	history1	history2
11 Apr 2024	---	---	---	---	---	---
Machine Age	Client Info	method	limit/base	current	history1	history2
33 hrs	---	---	---	---	---	---
Oil Age	Client Info	method	limit/base	current	history1	history2
0 hrs	---	---	---	---	---	---
Oil Changed	Client Info	method	limit/base	current	history1	history2
Filtered	---	---	---	---	---	---
Sample Status	Client Info	method	limit/base	current	history1	history2
NORMAL	---	---	---	---	---	---

### CONTAMINATION

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

### WEAR METALS

Element	unit	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

Element	unit	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		52	---	---
Calcium	ppm	ASTM D5185m	48	15	---	---
Phosphorus	ppm	ASTM D5185m	337	291	---	---
Zinc	ppm	ASTM D5185m	426	303	---	---
Sulfur	ppm	ASTM D5185m	2280	896	---	---

### CONTAMINANTS

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

### FLUID CLEANLINESS

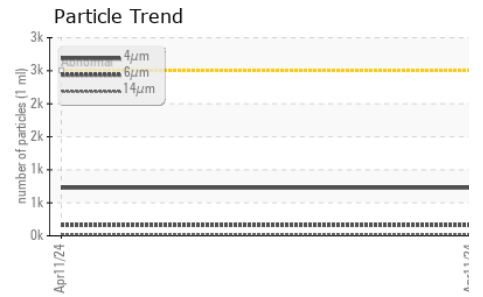
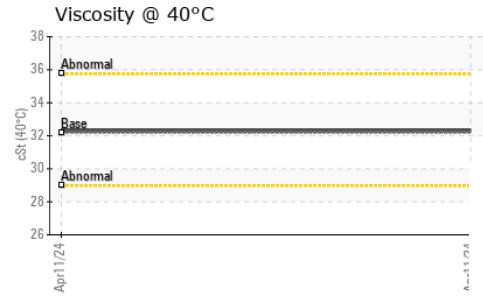
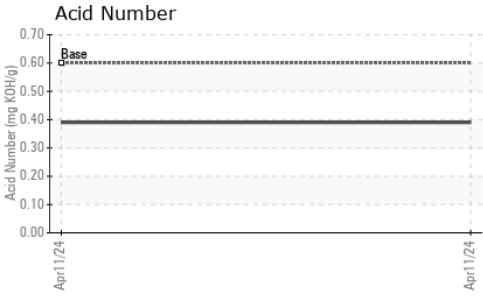
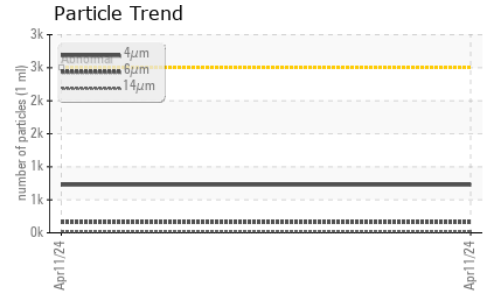
Parameter	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	727	---	---
Particles >6µm	ASTM D7647	>320	161	---	---
Particles >14µm	ASTM D7647	>80	21	---	---
Particles >21µm	ASTM D7647	>20	6	---	---
Particles >38µm	ASTM D7647	>4	0	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>18/15/13	17/15/12	---	---

### FLUID DEGRADATION

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



# OIL ANALYSIS REPORT



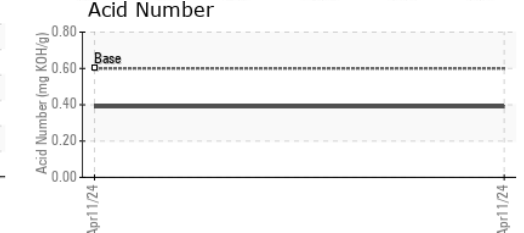
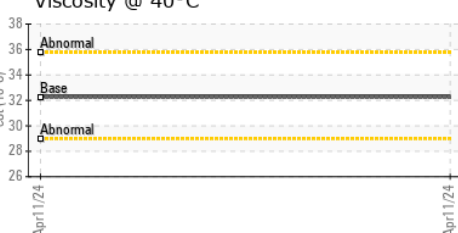
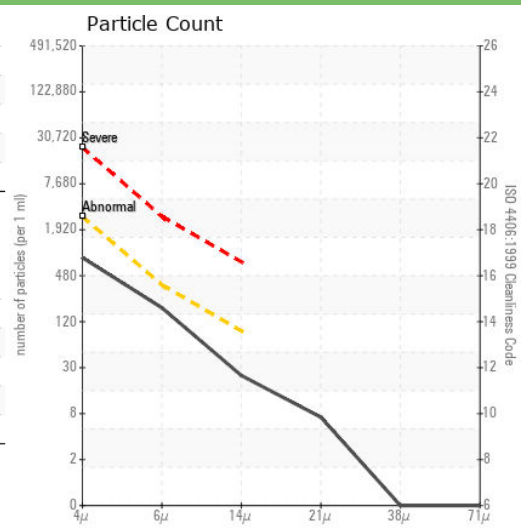
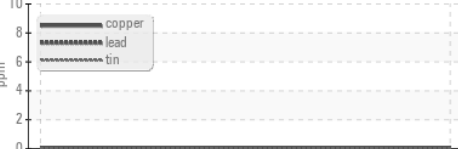
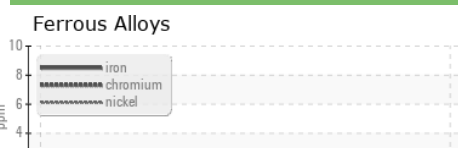
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
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	<b>32.3</b>	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color		no image	no image
Bottom		no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0917858      **Received** : 15 Apr 2024  
**Lab Number** : **06148602**      **Tested** : 16 Apr 2024  
**Unique Number** : 10978680      **Diagnosed** : 16 Apr 2024 - Wes Davis  
**Test Package** : IND 2

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 Contact: CHRIS RASNAKE  
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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)      F: (615)370-5670