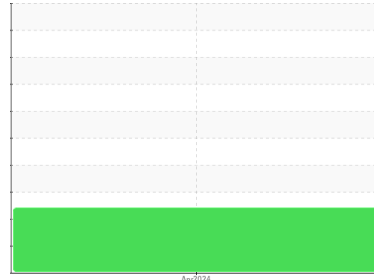




# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id

## 650916-1 - FUCHS TITAN CHF 11S

Component

Power Steering Fluid

Fluid

FUCHS TITAN CHF 11S (--- GAL)

### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component. We advise an early resample to confirm this situation. Please note that there was insufficient sample to confirm viscosity test.

#### Wear

All component wear rates are normal.

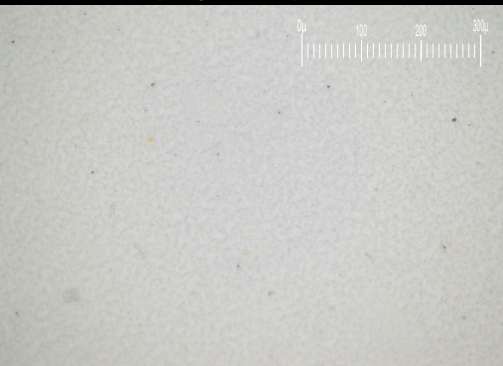
#### Contamination

There is a high amount of particulates present in the fluid.

#### Fluid Condition

The AN level is acceptable for this fluid.

Particle Filter (Magn: 200 x)



### SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PH0002966	---	---
Sample Date	Client Info	12 Apr 2024	---	---
Machine Age	hrs	Client Info	0	---
Oil Age	hrs	Client Info	0	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

### CONTAMINATION

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

### WEAR METALS

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

### ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	162	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	0	---	---
Manganese	ppm	ASTM D5185m	0	---	---
Magnesium	ppm	ASTM D5185m	<1	---	---
Calcium	ppm	ASTM D5185m	22	---	---
Phosphorus	ppm	ASTM D5185m	415	---	---
Zinc	ppm	ASTM D5185m	3	---	---
Sulfur	ppm	ASTM D5185m	835	---	---

### CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	5	---	---
Sodium	ppm	ASTM D5185m	2	---	---
Potassium	ppm	ASTM D5185m	>20	0	---

### FLUID CLEANLINESS

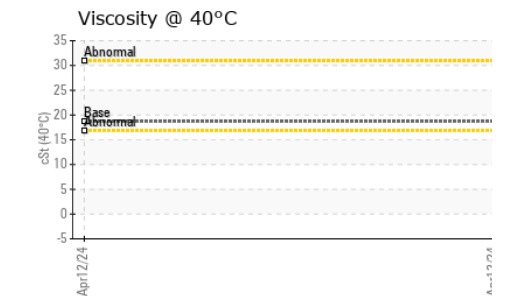
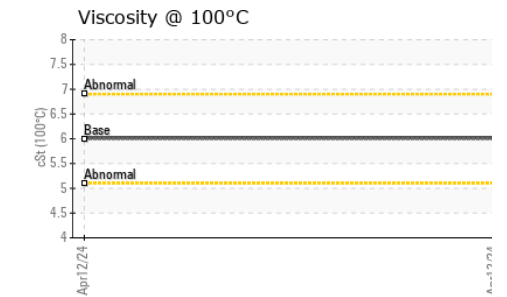
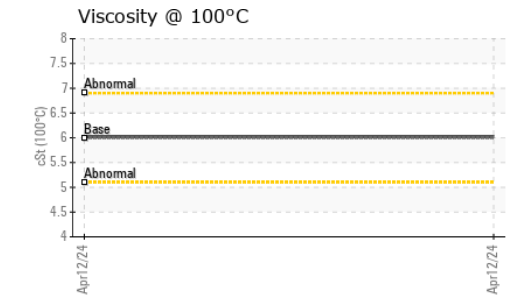
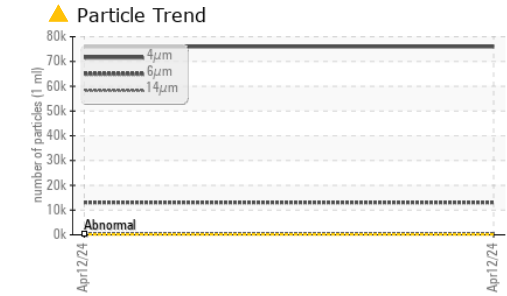
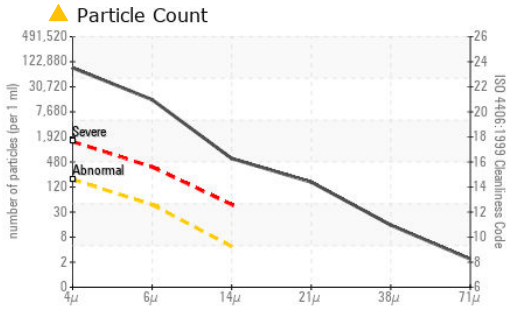
method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>160	▲ 75988	---	---
Particles >6µm	ASTM D7647	>40	▲ 13069	---	---
Particles >14µm	ASTM D7647	>4	▲ 511	---	---
Particles >21µm	ASTM D7647	>3	▲ 139	---	---
Particles >38µm	ASTM D7647	>3	▲ 13	---	---
Particles >71µm	ASTM D7647	>3	2	---	---
Oil Cleanliness	ISO 4406 (c)	>14/12/9	▲ 23/21/16	---	---

### FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	1.81	---	---



# OIL ANALYSIS REPORT



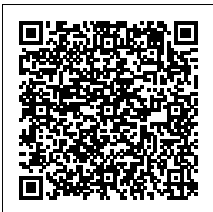
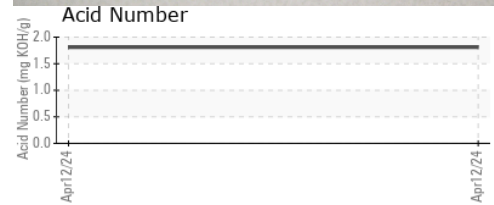
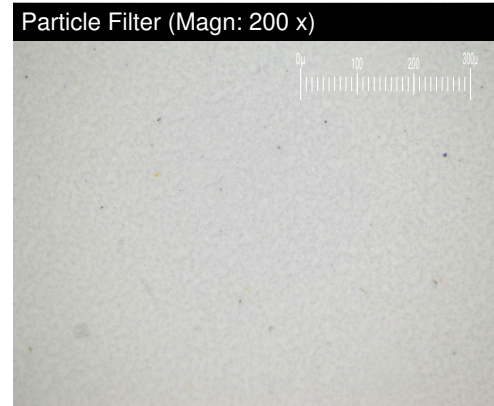
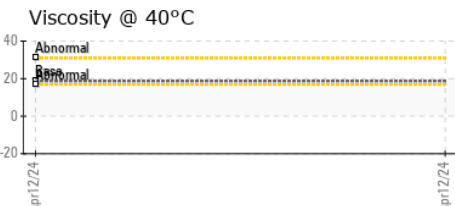
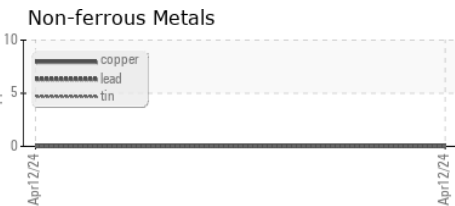
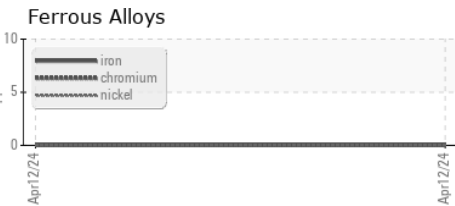
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	NEG	---	---	
Free Water	scalar	*Visual	NEG	---	---	

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445 6	6.02	---	---

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PH0002966 **Received** : 23 Apr 2024  
**Lab Number** : 06158197 **Tested** : 09 May 2024  
**Unique Number** : 10993620 **Diagnosed** : 10 May 2024 - Doug Bogart  
**Test Package** : PLANT ( Additional Tests: KV100, PrtFilter, VI )

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)

**PARKER HANNIFIN**  
 5520 HWY 169 N  
 NEW HOPE, MN  
 US 55428  
 Contact: MATT DALEO  
 matthew.daleo@parker.com

T:  
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