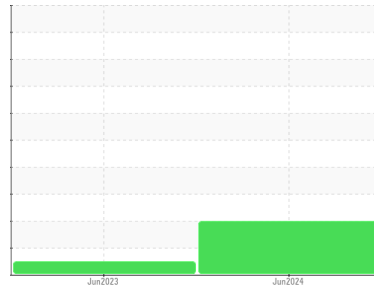




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id

TRAN AIR 05-8094-3400 - 81 1272669203

Component

Hydraulic System

Fluid

SKYDROL 500B-4 (15 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filtration 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 moderate amount of particulates present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code.

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
PH0001614	Client Info			PH0001614	PH0001613	---
16 Jun 2024	Client Info			16 Jun 2024	11 Jun 2023	---
Machine Age	hrs	Client Info		145	435	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed	Client Info			Filtered	N/A	---
Sample Status				ATTENTION	NORMAL	---

CONTAMINATION

Water	method	limit/base	current	history1	history2
WC Method		>0.8	NEG	NEG	---

WEAR METALS

Iron	ppm	method	limit/base	current	history1	history2
ASTM D5185m		>20	1	0	---	
Chromium	ppm	ASTM D5185m	>20	0	6	---
Nickel	ppm	ASTM D5185m	>20	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>20	0	<1	---
Lead	ppm	ASTM D5185m	>20	0	0	---
Copper	ppm	ASTM D5185m	>20	2	<1	---
Tin	ppm	ASTM D5185m	>20	0	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
Cadmium	ppm	ASTM D5185m		<1	<1	---

ADDITIVES

Boron	ppm	method	limit/base	current	history1	history2
ASTM D5185m				0	0	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		0	0	---
Magnesium	ppm	ASTM D5185m		0	1	---
Calcium	ppm	ASTM D5185m		10	9	---
Phosphorus	ppm	ASTM D5185m		28899	10000	---
Zinc	ppm	ASTM D5185m		2	0	---
Sulfur	ppm	ASTM D5185m		2094	1980	---

CONTAMINANTS

Silicon	ppm	method	limit/base	current	history1	history2
ASTM D5185m		>15	3	0	---	
Sodium	ppm	ASTM D5185m	>50	5	3	---
Potassium	ppm	ASTM D5185m	>20	13	13	---

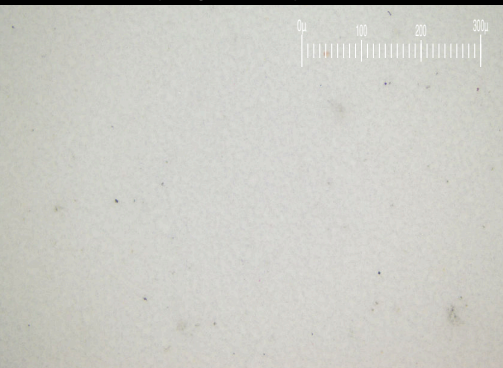
FLUID CLEANLINESS

Particles >4µm	method	limit/base	current	history1	history2
ASTM D7647		>10000	12018	2267	---
Particles >6µm	ASTM D7647	>2500	3567	500	---
Particles >14µm	ASTM D7647	>320	427	45	---
Particles >21µm	ASTM D7647	>80	143	14	---
Particles >38µm	ASTM D7647	>20	10	0	---
Particles >71µm	ASTM D7647	>4	1	0	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	21/19/16	18/16/13	---

FLUID DEGRADATION

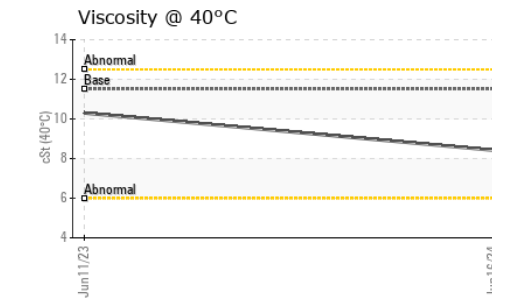
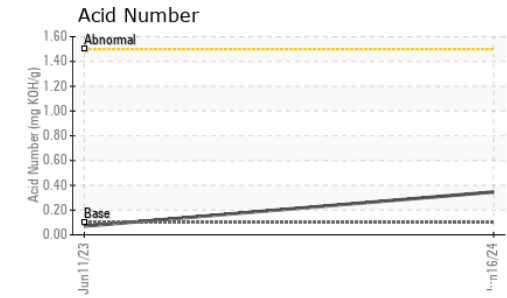
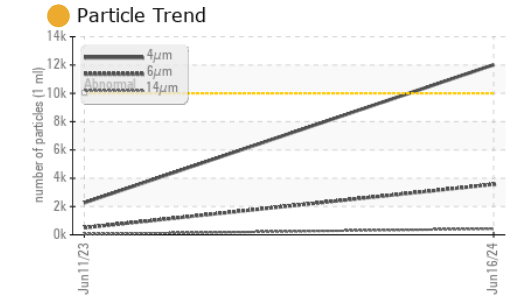
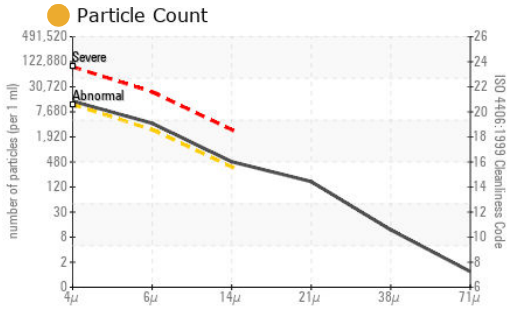
Acid Number (AN)	mg KOH/g	method	limit/base	current	history1	history2
ASTM D8045			0.10	0.346	0.07	---

Particle Filter (Magn: 200 x)





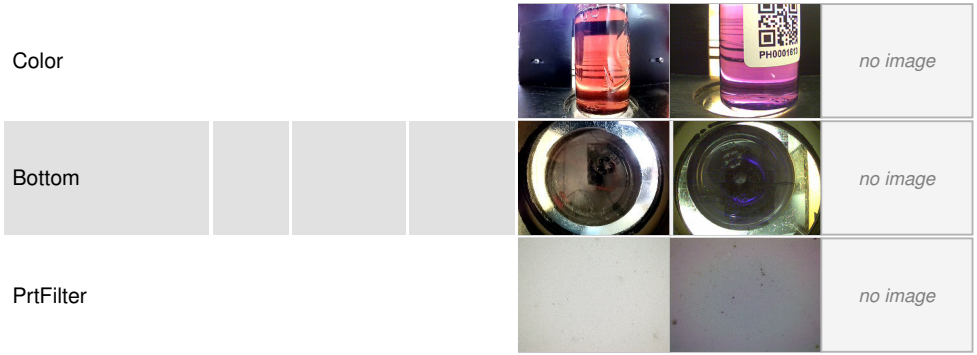
OIL ANALYSIS REPORT



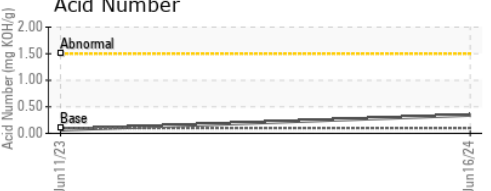
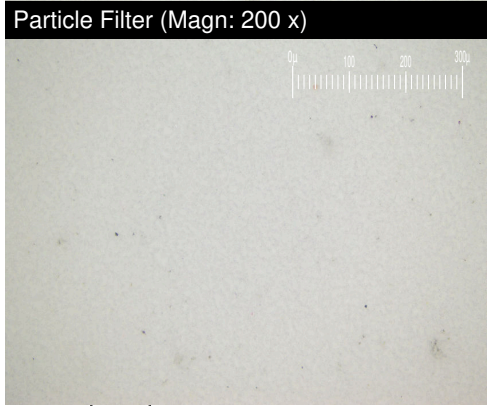
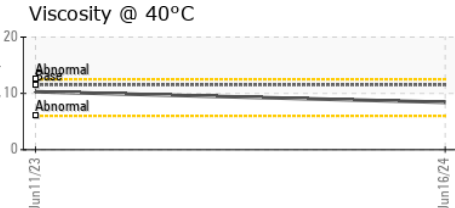
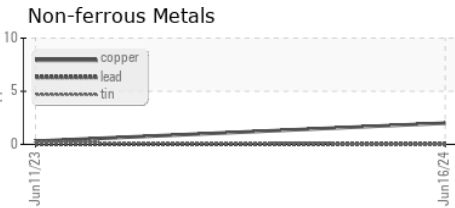
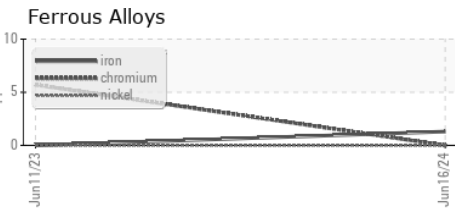
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.8	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	11.51	8.42	10.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PH0001614 **Received** : 18 Jun 2024
Lab Number : 06213973 **Tested** : 20 Jun 2024
Unique Number : 11086837 **Diagnosed** : 21 Jun 2024 - Doug Bogart
Test Package : PLANT (Additional Tests: PrtFilter)

WEST STAR
 5616 HAVEN ST
 LAS VEGAS, NV
 US 89119

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: RICH TRUJILLO
richard.trujillo@jeteastgama.com

* - 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)

T:
F: