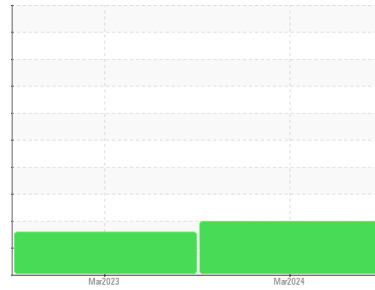




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id

1006-SA-3-12218 (S/N 6748)

Component

Hydraulic System

Fluid

CASTROL BRAYCO MICRONIC 756 5606 (--- GAL)

DIAGNOSIS

▲ 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 high amount of particulates present in the oil.

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		PH0001829	PH05783815	---
Sample Date	Client Info		22 Mar 2024	05 Mar 2023	---
Machine Age	hrs	Client Info	61	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Filtered	N/A	---
Sample Status			ABNORMAL	ABNORMAL	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	4	0	---
Chromium	ppm	ASTM D5185m >20	2	0	---
Nickel	ppm	ASTM D5185m >20	<1	<1	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >20	1	<1	---
Lead	ppm	ASTM D5185m >20	0	<1	---
Copper	ppm	ASTM D5185m >20	2	<1	---
Tin	ppm	ASTM D5185m >20	1	0	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	<1	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	0	0	---
Manganese	ppm	ASTM D5185m	<1	0	---
Magnesium	ppm	ASTM D5185m	0	1	---
Calcium	ppm	ASTM D5185m	0	0	---
Phosphorus	ppm	ASTM D5185m	416	435	---
Zinc	ppm	ASTM D5185m	<1	6	---
Sulfur	ppm	ASTM D5185m	80	125	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	3	▲ 34	---
Sodium	ppm	ASTM D5185m	2	0	---
Potassium	ppm	ASTM D5185m >20	<1	<1	---

FLUID CLEANLINESS

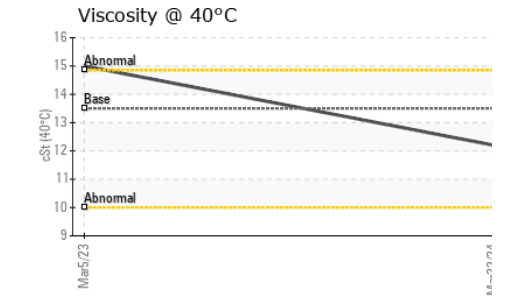
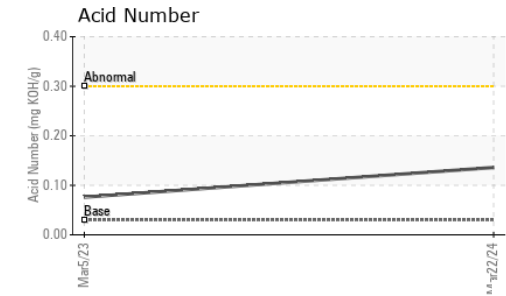
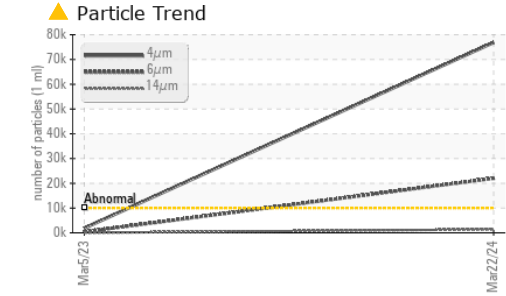
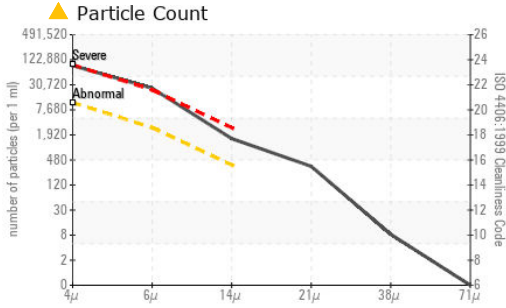
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	▲ 76892	1891	---
Particles >6µm	ASTM D7647	>2500	▲ 22007	395	---
Particles >14µm	ASTM D7647	>320	▲ 1371	17	---
Particles >21µm	ASTM D7647	>80	▲ 297	6	---
Particles >38µm	ASTM D7647	>20	7	3	---
Particles >71µm	ASTM D7647	>4	0	2	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲ 23/22/18	18/16/11	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.03	0.136	0.076	---



OIL ANALYSIS REPORT



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PH0001829 **Received** : 27 Mar 2024
Lab Number : **06131256** **Tested** : 05 Apr 2024
Unique Number : 10950721 **Diagnosed** : 05 Apr 2024 - Jonathan Hester
Test Package : PLANT (Additional Tests: PrtFilter)

FLIGHTSTAR CORP
 7 AIRPORT RD
 SAVOY, IL
 US 61874
 Contact: John Arnett
 johna@flightstar.com

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)

VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	13.5	12.2	15.0	---

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

GRAPHS

