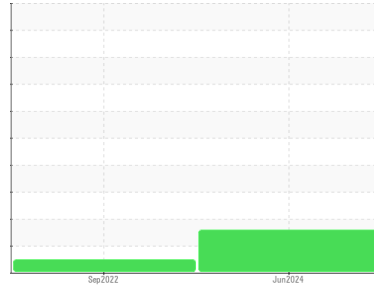




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
RD93D22078 MILL 1 - NUTRIEN
 Component
Compressor
 Fluid
PG-32 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component. 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 moderate concentration of water 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		WC0897664	WC05659756	---
Sample Date	Client Info		17 Jun 2024	19 Sep 2022	---
Machine Age	hrs	Client Info	14865	0	---
Oil Age	hrs	Client Info	2000	230	---
Oil Changed	Client Info		Not Chngd	Not Chngd	---
Sample Status			ABNORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	0	0	---
Chromium	ppm	ASTM D5185m >10	<1	0	---
Nickel	ppm	ASTM D5185m	<1	0	---
Titanium	ppm	ASTM D5185m	<1	0	---
Silver	ppm	ASTM D5185m	<1	0	---
Aluminum	ppm	ASTM D5185m >25	3	0	---
Lead	ppm	ASTM D5185m >25	<1	0	---
Copper	ppm	ASTM D5185m >50	1	0	---
Tin	ppm	ASTM D5185m >15	<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	1	244	---
Molybdenum	ppm	ASTM D5185m	<1	0	---
Manganese	ppm	ASTM D5185m	<1	0	---
Magnesium	ppm	ASTM D5185m	<1	<1	---
Calcium	ppm	ASTM D5185m	0	0	---
Phosphorus	ppm	ASTM D5185m	25	107	---
Zinc	ppm	ASTM D5185m	4	0	---
Sulfur	ppm	ASTM D5185m	266	0	---

CONTAMINANTS

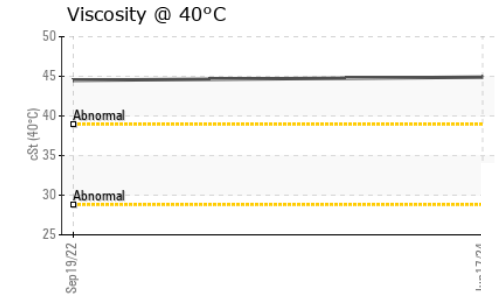
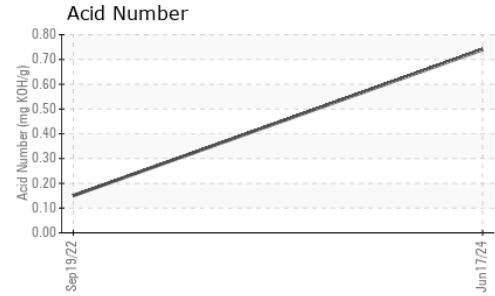
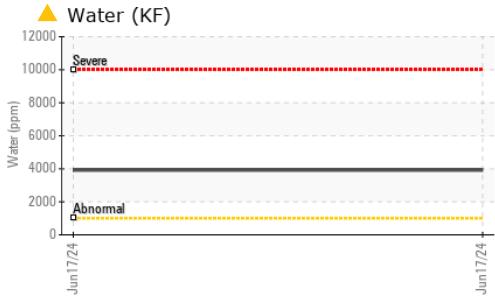
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	1	0	---
Sodium	ppm	ASTM D5185m	6	22	---
Potassium	ppm	ASTM D5185m >20	3	0	---
Water	%	ASTM D6304 >0.1	▲ 0.392	---	---
ppm Water	ppm	ASTM D6304 >1000	▲ 3920	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.74	0.15	---



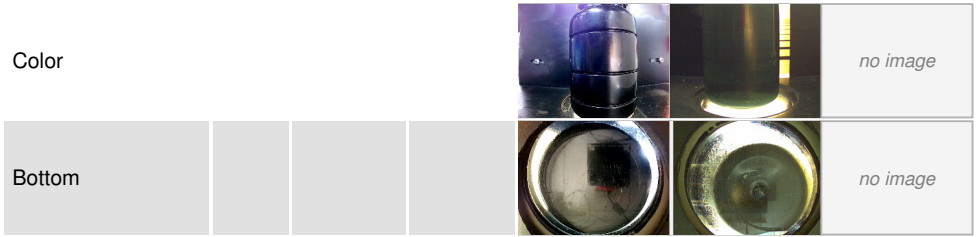
OIL ANALYSIS REPORT



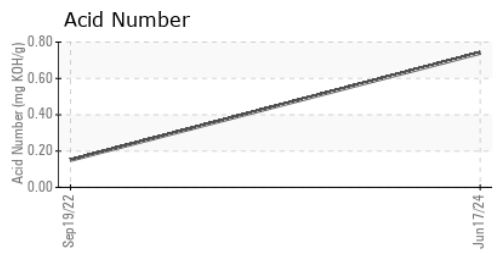
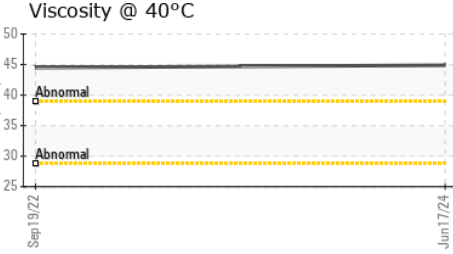
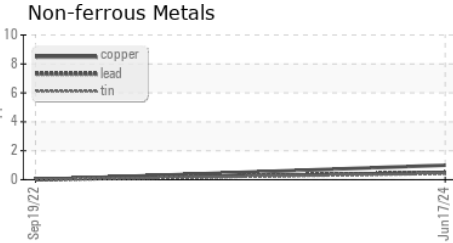
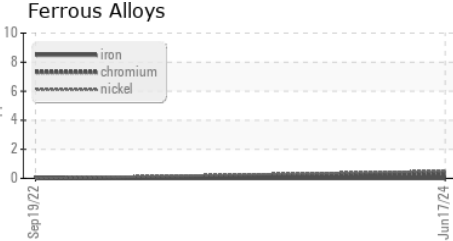
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.9	44.5	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0897664 **Received** : 24 Jun 2024
Lab Number : 06218823 **Tested** : 26 Jun 2024
Unique Number : 11097020 **Diagnosed** : 26 Jun 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

FS-COMPRESSION CO, LLC
 203 AERO COURT
 GREENSBORO, NC
 US 27409

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

Contact: Dallas Burcham
dallas.burcham@fs-compression.com

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (336)605-9622

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (336)605-9844