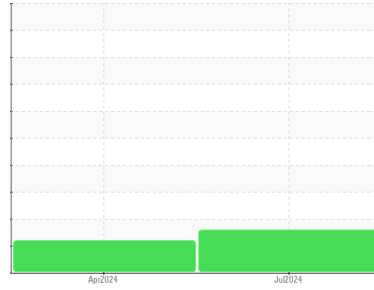




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
FS CURTIS HE13E23061 - MILL 3

Component
Compressor
Fluid
{not provided} (--- 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		WC0923288	WC0897658	---
Sample Date	Client Info		11 Jul 2024	23 Apr 2024	---
Machine Age	hrs	Client Info	6002	4128	---
Oil Age	hrs	Client Info	2000	4128	---
Oil Changed	Client Info		Not Chngd	N/A	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<1	<1	---
Chromium	ppm	ASTM D5185m >10	<1	<1	---
Nickel	ppm	ASTM D5185m	<1	1	---
Titanium	ppm	ASTM D5185m	<1	<1	---
Silver	ppm	ASTM D5185m	<1	<1	---
Aluminum	ppm	ASTM D5185m >25	2	2	---
Lead	ppm	ASTM D5185m >25	0	3	---
Copper	ppm	ASTM D5185m >50	<1	2	---
Tin	ppm	ASTM D5185m >15	<1	1	---
Vanadium	ppm	ASTM D5185m	<1	<1	---
Cadmium	ppm	ASTM D5185m	<1	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	---
Barium	ppm	ASTM D5185m	30	189	---
Molybdenum	ppm	ASTM D5185m	<1	1	---
Manganese	ppm	ASTM D5185m	<1	1	---
Magnesium	ppm	ASTM D5185m	<1	11	---
Calcium	ppm	ASTM D5185m	0	7	---
Phosphorus	ppm	ASTM D5185m	114	169	---
Zinc	ppm	ASTM D5185m	<1	<1	---
Sulfur	ppm	ASTM D5185m	67	828	---

CONTAMINANTS

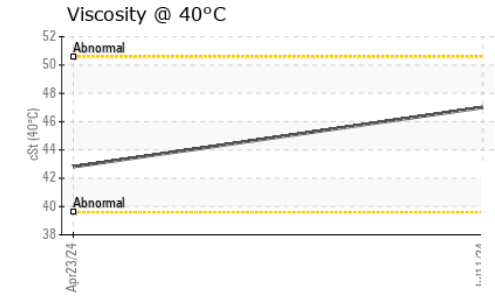
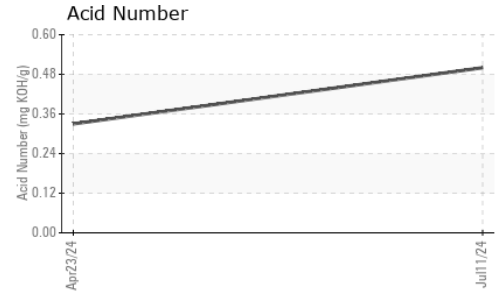
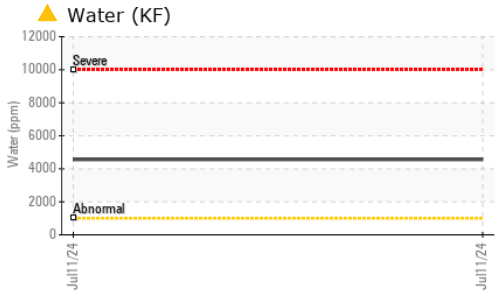
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	5	21	---
Sodium	ppm	ASTM D5185m	5	53	---
Potassium	ppm	ASTM D5185m >20	2	6	---
Water	%	ASTM D6304 >0.1	▲ 0.456	---	---
ppm Water	ppm	ASTM D6304 >1000	▲ 4560	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.50	0.33	---



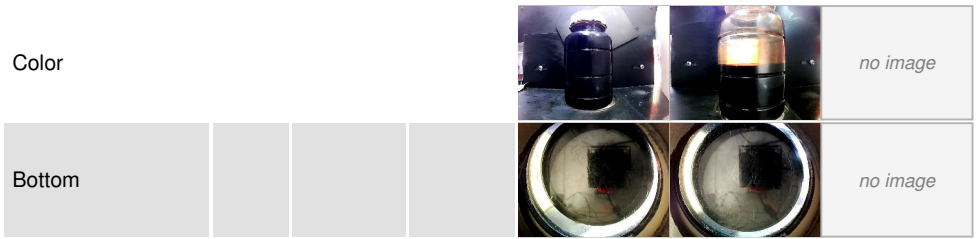
OIL ANALYSIS REPORT



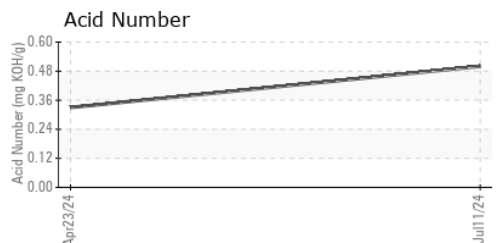
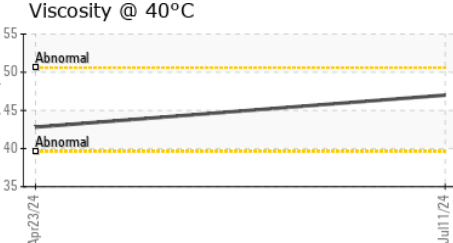
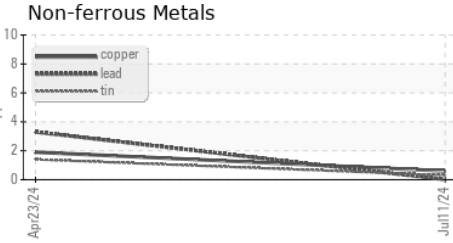
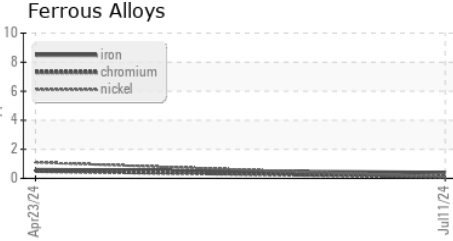
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	▲ MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	47.0	42.81	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0923288 **Received** : 15 Jul 2024
Lab Number : 06236951 **Tested** : 17 Jul 2024
Unique Number : 11125785 **Diagnosed** : 17 Jul 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

FS-COMPRESSION CO, LLC
 203 AERO COURT
 GREENSBORO, NC
 US 27409
 Contact: Robert York
 robert.york@fs-compression.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) F: (336)605-9844