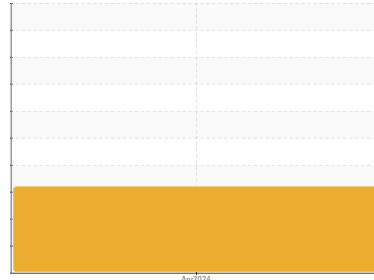




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
SMO-30 [277019]
 Machine Id
30T295911 - LAKE SHORE
 Component
Compressor

DIAGNOSIS

▲ Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

▲ Wear

The iron level is abnormal. The chromium level is abnormal.

▲ Contamination

There is a light concentration of water present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			UFD0000532	---	---
Sample Date	Client Info			05 Apr 2024	---	---
Machine Age	mths	Client Info		0	---	---
Oil Age	mths	Client Info		14	---	---
Oil Changed	Client Info			Changed	---	---
Sample Status				ABNORMAL	---	---

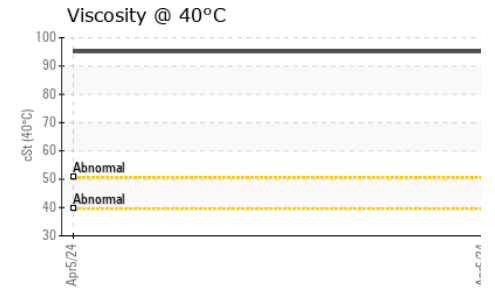
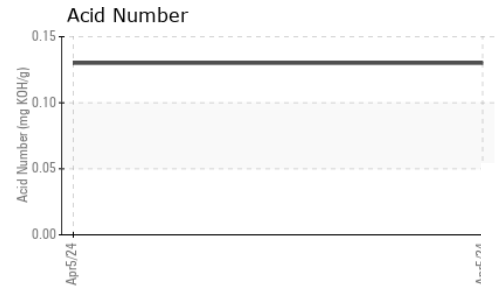
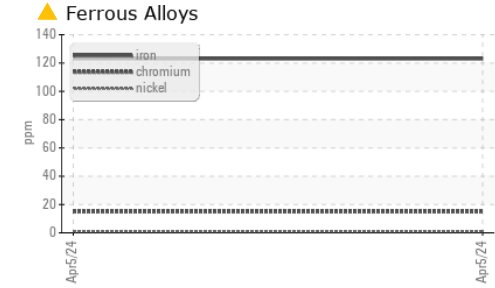
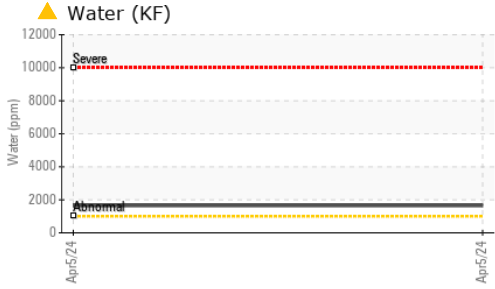
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	▲ 123	---	---
Chromium	ppm	ASTM D5185m	>10	▲ 15	---	---
Nickel	ppm	ASTM D5185m		1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	5	---	---
Lead	ppm	ASTM D5185m	>25	14	---	---
Copper	ppm	ASTM D5185m	>50	31	---	---
Tin	ppm	ASTM D5185m	>15	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
Cadmium	ppm	ASTM D5185m		<1	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		3	---	---
Magnesium	ppm	ASTM D5185m		4	---	---
Calcium	ppm	ASTM D5185m		11	---	---
Phosphorus	ppm	ASTM D5185m		131	---	---
Zinc	ppm	ASTM D5185m		20	---	---
Sulfur	ppm	ASTM D5185m		0	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	---	---
Sodium	ppm	ASTM D5185m		4	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water	%	ASTM D6304	>0.1	▲ 0.165	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 1650	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.13	---	---

OIL ANALYSIS REPORT



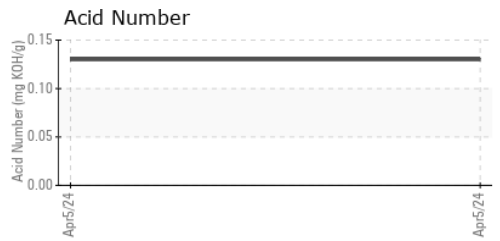
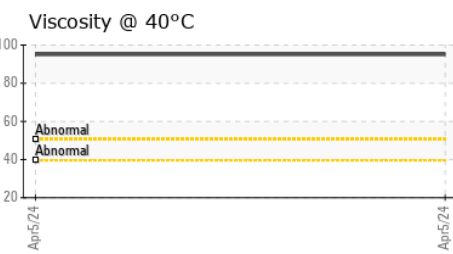
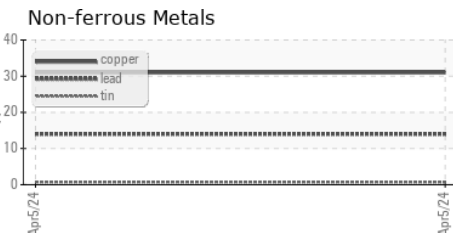
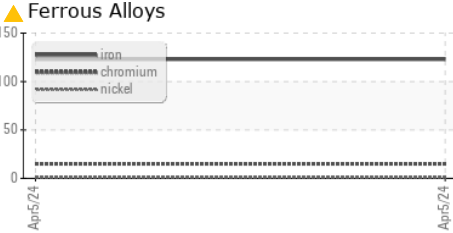
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	95.1	---	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UFD0000532 **Received** : 25 Apr 2024
Lab Number : 06160554 **Tested** : 26 Apr 2024
Unique Number : 10995977 **Diagnosed** : 30 Apr 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

FLUID-AIRE DYNAMICS
 550 ALBION AVE
 SCHAUMBURG, IL
 US 60193
 Contact: ED DIENER
 ed.diener@fluidairedynamics.com
 T: (847)678-8388
 F:

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)