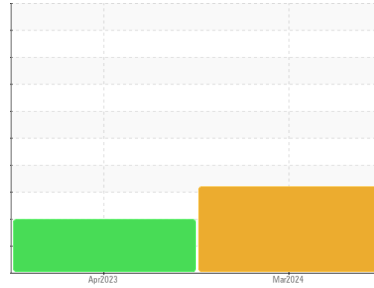




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area

M&R FRESNO LPR [9593.1]

Machine Id

MYCOM RC01 - M&R FRESNO LPR (S/N 436001)

Component

Refrigeration Compressor

Fluid

SUMMIT RHT 68 (7 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Wear

The iron level is abnormal. The aluminum 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. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0851630	WC0807661	---
Sample Date	Client Info		28 Mar 2024	20 Apr 2023	---
Machine Age	yrs	Client Info	0	0	---
Oil Age	yrs	Client Info	0	1	---
Oil Changed	Client Info		N/A	Changed	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >8	▲ 83	▲ 73	---
Chromium	ppm	ASTM D5185m >2	3	2	---
Nickel	ppm	ASTM D5185m	1	0	---
Titanium	ppm	ASTM D5185m	<1	0	---
Silver	ppm	ASTM D5185m >2	<1	0	---
Aluminum	ppm	ASTM D5185m >3	▲ 41	6	---
Lead	ppm	ASTM D5185m >2	1	0	---
Copper	ppm	ASTM D5185m >8	5	2	---
Tin	ppm	ASTM D5185m >4	9	2	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	1	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	1	0	---
Manganese	ppm	ASTM D5185m	2	2	---
Magnesium	ppm	ASTM D5185m	1	9	---
Calcium	ppm	ASTM D5185m	7	5	---
Phosphorus	ppm	ASTM D5185m	0	24	---
Zinc	ppm	ASTM D5185m	7	28	---
Sulfur	ppm	ASTM D5185m	0	0	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	8	2	---
Sodium	ppm	ASTM D5185m	0	<1	---
Potassium	ppm	ASTM D5185m >20	2	2	---
Water	%	ASTM D6304 >0.01	▲ 0.077	0.002	---
ppm Water	ppm	ASTM D6304 >100	▲ 773	16.8	---

FLUID CLEANLINESS

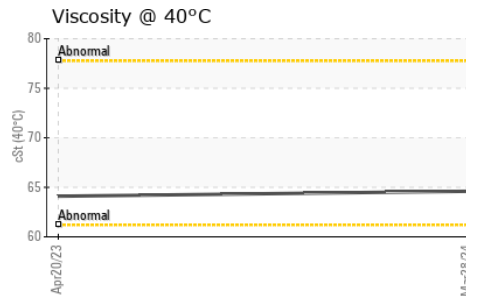
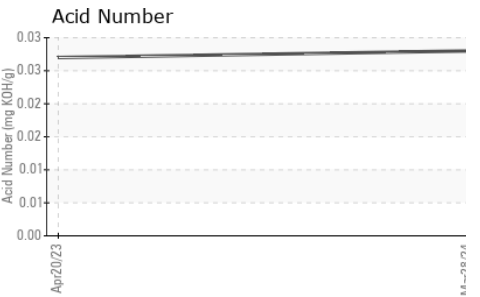
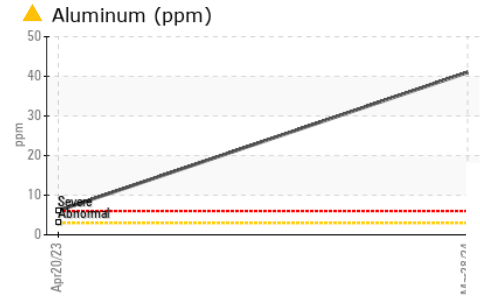
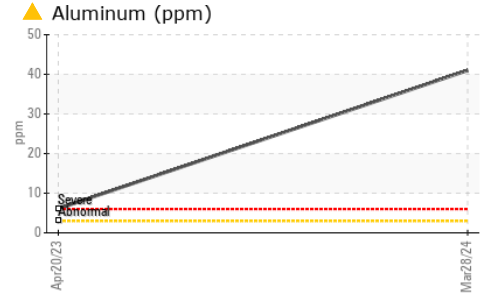
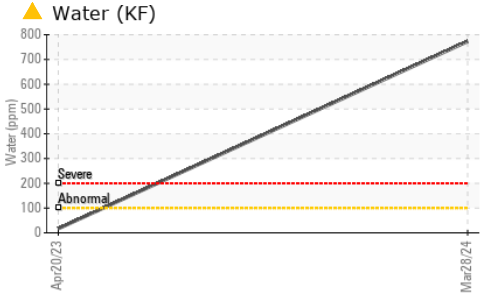
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	---	▲ 121465	---
Particles >6µm	ASTM D7647	>2500	---	▲ 6386	---
Particles >14µm	ASTM D7647	>320	---	67	---
Particles >21µm	ASTM D7647	>80	---	9	---
Particles >38µm	ASTM D7647	>20	---	0	---
Particles >71µm	ASTM D7647	>4	---	0	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	---	▲ 24/20/13	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.028	0.027	---



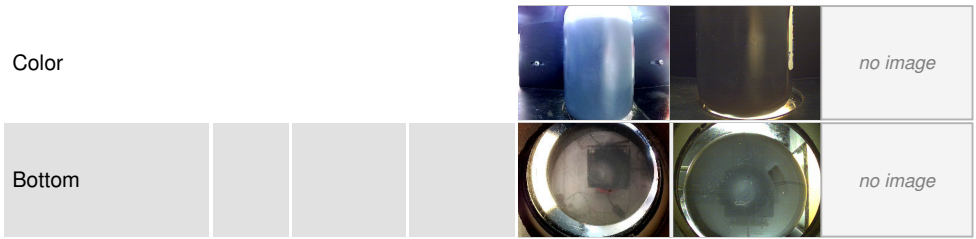
OIL ANALYSIS REPORT



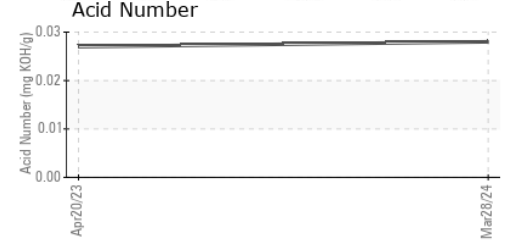
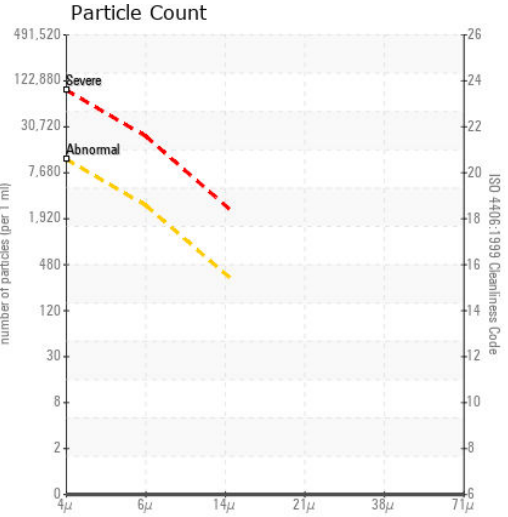
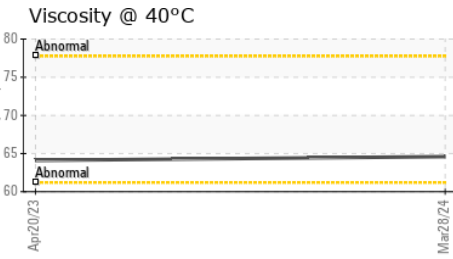
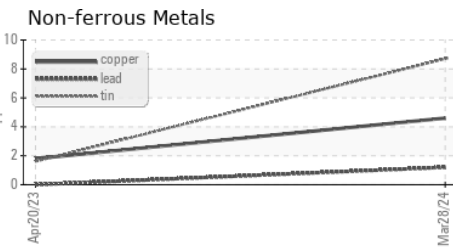
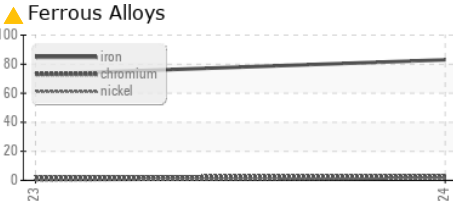
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.01	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	64.6	64.1	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0851630 **Received** : 02 Apr 2024
Lab Number : 06135729 **Tested** : 04 Apr 2024
Unique Number : 10955194 **Diagnosed** : 04 Apr 2024 - Jonathan Hester
Test Package : PLANT

SCHRADER MECHANICAL
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 LODI PROVINCE, CA
 US 95240
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Certificate L2367
 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)