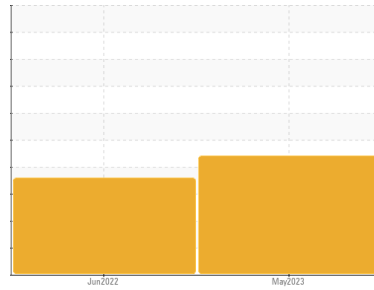


PROBLEM SUMMARY

Sample Rating Trend



WATER

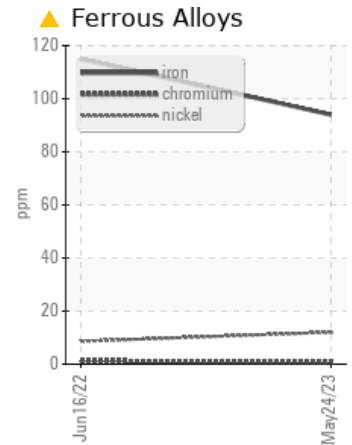
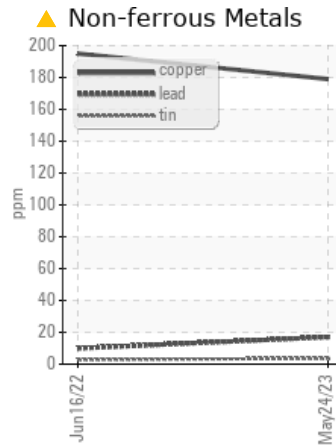
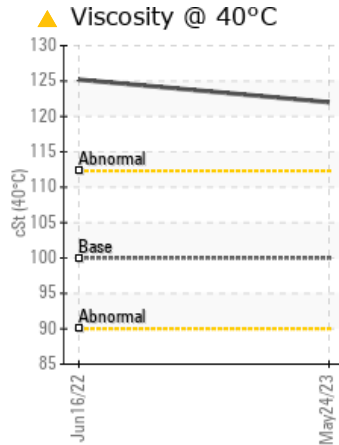
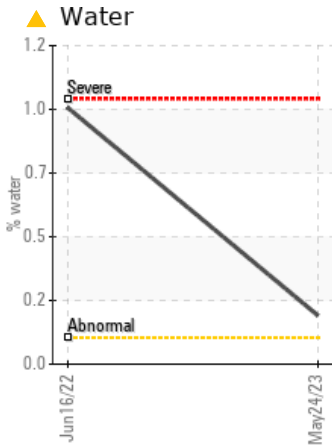


Machine Id
JOY 2 EPS

Component
Reciprocating Compressor

Fluid
ROYAL PURPLE SYNFILM 100 (--- LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>50	▲ 94	▲ 115	---
Copper	ppm	ASTM D5185m	>50	▲ 179	▲ 195	---
Water	%	ASTM D6304	>0.1	▲ 0.183	▲ 0.966	---
ppm Water	ppm	ASTM D6304	>1000	▲ 1839.1	▲ 9660	---
Silt	scalar	*Visual	NONE	▲ MODER	LIGHT	---
Visc @ 40°C	cSt	ASTM D445	100	▲ 122	▲ 125.2	---

Customer Id: PAEMON
Sample No.: RP0032909
Lab Number: 05900759
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Angela Borella +1 800-237-1369
angela.borella@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

16 Jun 2022 Diag: Jonathan Hester

WATER



We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition. The iron level is abnormal. The copper level is abnormal. There is a high concentration of water present in the oil. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

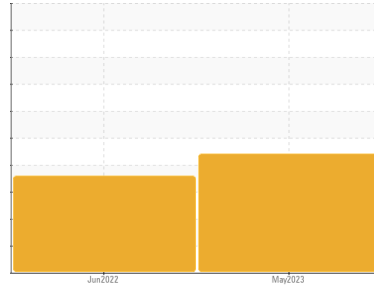
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
JOY 2 EPS
 Component
Reciprocating Compressor
 Fluid
ROYAL PURPLE SYNFILM 100 (--- LTR)

DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

The iron level is abnormal. The copper level is abnormal.

Contamination

There is a light concentration of water present in the oil. There is a moderate amount of visible silt present in the sample.

Fluid Condition

The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		RP0032909	RP0021819	---
Sample Date	Client Info		24 May 2023	16 Jun 2022	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	7852	3860	---
Oil Changed	Client Info		Not Chngd	Not Chngd	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	▲ 94	▲ 115	---
Chromium	ppm	ASTM D5185m >10	<1	1	---
Nickel	ppm	ASTM D5185m	12	9	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m	<1	<1	---
Aluminum	ppm	ASTM D5185m >25	3	2	---
Lead	ppm	ASTM D5185m >25	17	10	---
Copper	ppm	ASTM D5185m >50	▲ 179	▲ 195	---
Tin	ppm	ASTM D5185m >15	4	3	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	<1	2	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	1	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	<1	1	---
Manganese	ppm	ASTM D5185m	<1	1	---
Magnesium	ppm	ASTM D5185m 90	4	8	---
Calcium	ppm	ASTM D5185m	3	3	---
Phosphorus	ppm	ASTM D5185m	59	75	---
Zinc	ppm	ASTM D5185m	67	94	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	6	11	---
Sodium	ppm	ASTM D5185m	35	33	---
Potassium	ppm	ASTM D5185m >20	1	2	---
Water	%	ASTM D6304 >0.1	▲ 0.183	▲ 0.966	---
ppm Water	ppm	ASTM D6304 >1000	▲ 1839.1	▲ 9660	---

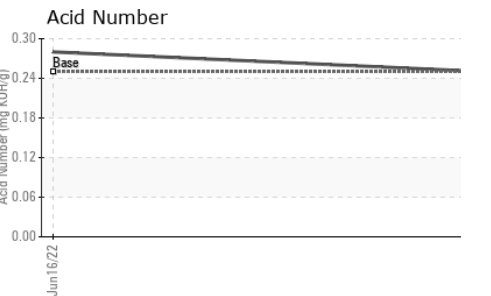
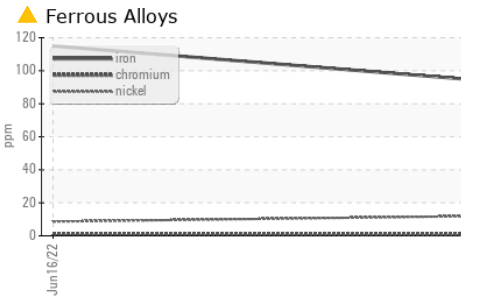
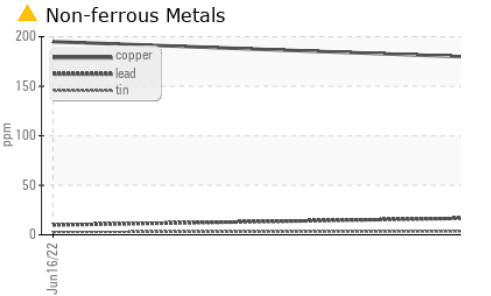
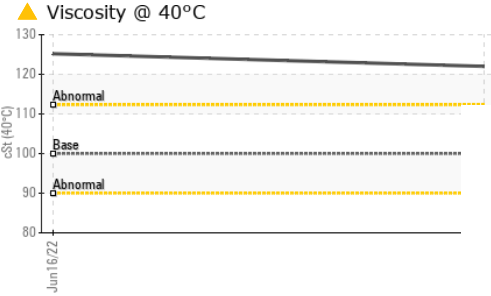
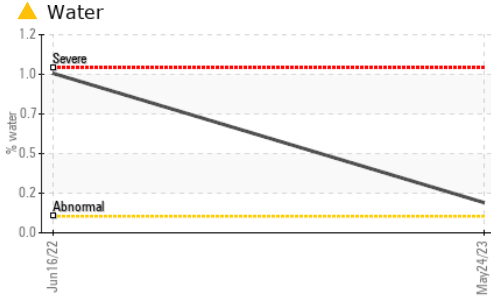
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.25	0.25	0.28	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	▲ MODER	LIGHT	---
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 >0.1	NEG	NEG	---
Free Water	scalar	*Visual	NEG	NEG	---

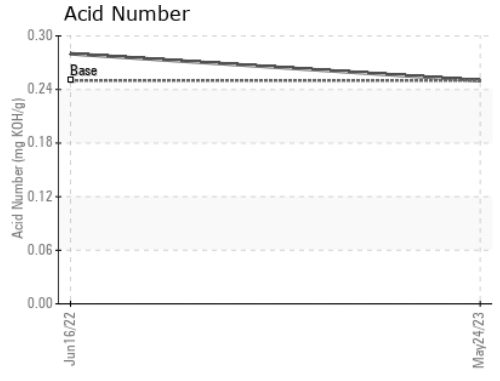
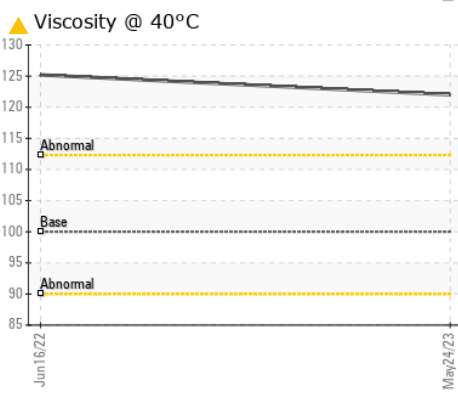
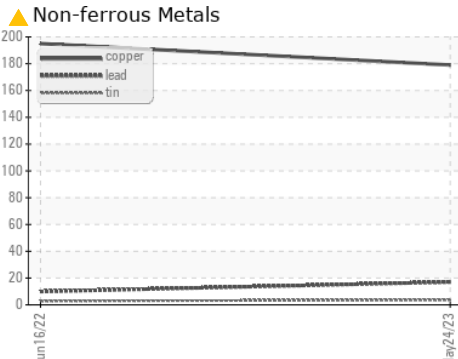
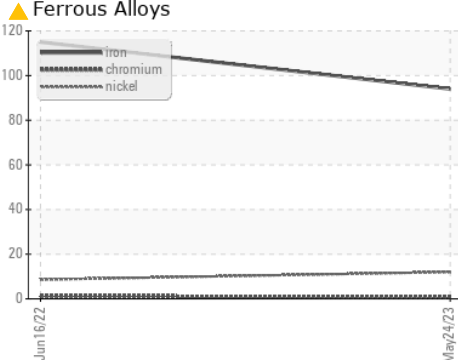
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 100	▲ 122	▲ 125.2	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0032909 **Received** : 17 Jul 2023
Lab Number : 05900759 **Diagnosed** : 19 Jul 2023
Unique Number : 10562115 **Diagnostician** : Angela Borella
Test Package : IND 2

PAESA
 CHAPULTEPEE 304-A COL. REGINA
 MONTERREY,
 NL
 Contact: MARCELA TOVAR
 marcelatovar@grupoati.com
 T:
 F:

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)