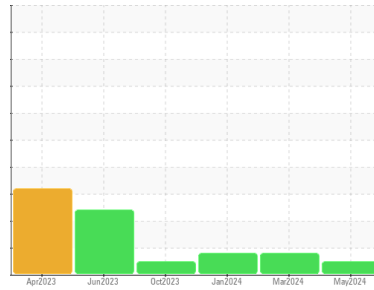




PROBLEM SUMMARY

Machine Id
T001-02
 Component
Hydraulic System
 Fluid
ERIFON 818 (--- GAL)

Sample Rating Trend



WATER



COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	ABNORMAL	SEVERE
Emulsified Water	scalar	*Visual	>0.05	▲ 0.2%	0.2%	▲ 0.2%
PrtFilter						

Customer Id: PAREUG
 Sample No.: PH0001536
 Lab Number: 06195407
 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

WEAR



21 Mar 2024 Diag: Jonathan Hester

We recommend an early resample to monitor this condition. The iron level is abnormal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The pH level of this fluid is within the acceptable limits at 9.0. The condition of the oil is suitable for further service.

view report



WATER



05 Jan 2024 Diag: Doug Bogart

We recommend an early resample to monitor this condition. The iron level is abnormal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The pH level of this fluid is within the acceptable limits at 9.0. The condition of the oil is suitable for further service.

view report



NORMAL



20 Oct 2023 Diag: Jonathan Hester

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The pH level of this fluid is within the acceptable limits. pH is 9.10. The condition of the oil is suitable for further service.

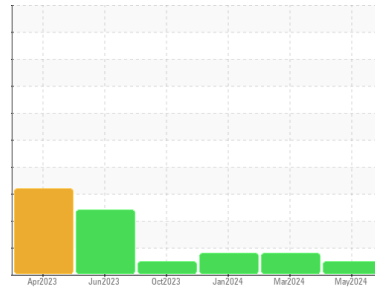
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
T001-02
 Component
Hydraulic System
 Fluid
ERIFON 818 (--- GAL)

DIAGNOSIS

▲ Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The pH level of this fluid is within the acceptable limits. pH is 9.00. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PH0001536	PH0001542	PH0001547
Sample Date	Client Info		21 May 2024	21 Mar 2024	05 Jan 2024
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			SEVERE	ABNORMAL	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	13	▲ 35	▲ 39
Chromium	ppm	ASTM D5185m >20	<1	1	<1
Nickel	ppm	ASTM D5185m >20	1	2	2
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m	<1	0	0
Aluminum	ppm	ASTM D5185m >20	7	16	9
Lead	ppm	ASTM D5185m >20	<1	<1	<1
Copper	ppm	ASTM D5185m >20	<1	<1	<1
Tin	ppm	ASTM D5185m >20	<1	1	1
Vanadium	ppm	ASTM D5185m	<1	1	<1
Cadmium	ppm	ASTM D5185m	1	<1	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	43	65	20
Barium	ppm	ASTM D5185m	<1	0	0
Molybdenum	ppm	ASTM D5185m	<1	<1	0
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	2	1	3
Calcium	ppm	ASTM D5185m	5	10	13
Phosphorus	ppm	ASTM D5185m	6223	652	359
Zinc	ppm	ASTM D5185m	7	16	0
Sulfur	ppm	ASTM D5185m	80	588	263

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	4	4	3
Sodium	ppm	ASTM D5185m	72	192	89
Potassium	ppm	ASTM D5185m >20	10	30	15
Water	%	ASTM D6304 >0.05	34.3	33.6	34.2
ppm Water	ppm	ASTM D6304 >500	343000	336000	342000

FLUID CLEANLINESS

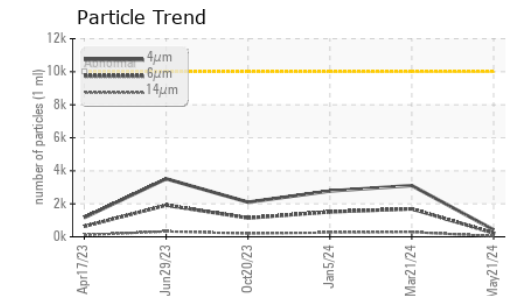
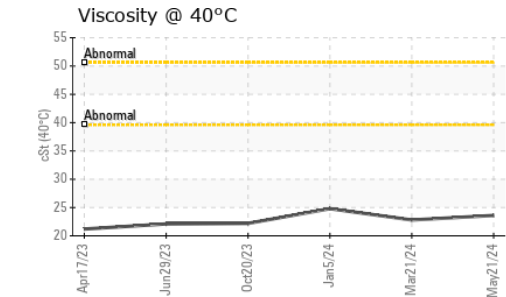
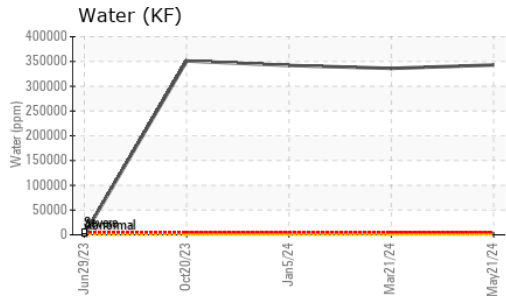
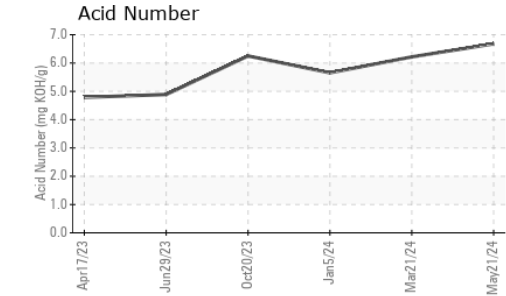
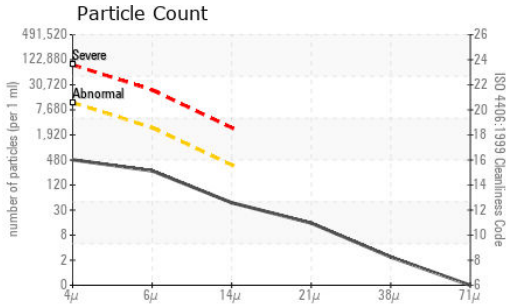
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	426	3106	2775
Particles >6µm	ASTM D7647	>2500	232	1692	1512
Particles >14µm	ASTM D7647	>320	40	288	257
Particles >21µm	ASTM D7647	>80	13	97	87
Particles >38µm	ASTM D7647	>20	2	15	13
Particles >71µm	ASTM D7647	>4	0	2	1
Oil Cleanliness	ISO 4406 (c)	>20/18/15	16/15/12	19/18/15	19/18/15

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	6.677	6.216	5.653



OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
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	>0.05	▲ 0.2%	0.2%
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
pH	Scale 0-14	ASTM D1287	9.00	9.00	9.00
Visc @ 40°C	cSt	ASTM D445	23.6	22.8	24.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
PrtFilter					



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PH0001536
Lab Number : 06195407
Unique Number : 11057530
Test Package : PLANT (Additional Tests: KF, pH, PrtFilter)

PARKER HANNIFIN CORPORATION
 29289 AIRPORT RD
 EUGENE, OR
 US 97402
 Contact: JASON MYERS
 jason.myers@parker.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)