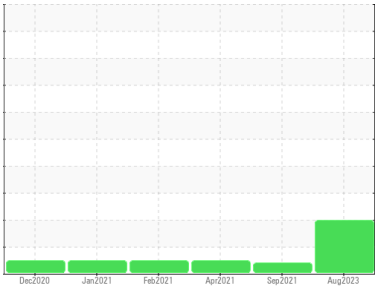
PROBLEM SUMMARY

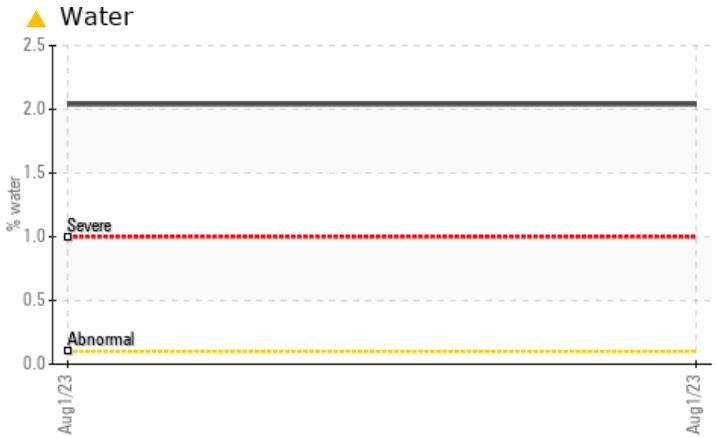
Area
PALLUBE 32
Machine Id
PALATEK 1604110004 - PRATT INDUSTRIES
Component
Compressor

Sample Rating Trend



WATER

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ATTENTION	NORMAL
Water	%	ASTM D6304	>0.1	▲ **2.04**	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ **20400**	---	---
Debris	scalar	*Visual	NONE	▲ **MODER**	NONE	NONE
Emulsified Water	scalar	*Visual	>0.1	▲ **0.2%**	NEG	NEG

Customer Id: UCCOMHAD
Sample No.: UCH05923504
Lab Number: 05923504
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
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

09 Sep 2021 Diag: Angela Borella

ADDITIVES

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. An additive depletion is indicated. The AN level is acceptable for this fluid.

view report

13 Apr 2021 Diag: Doug Bogart

NORMAL

No corrective action is recommended at this time. 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

05 Feb 2021 Diag: Angela Borella

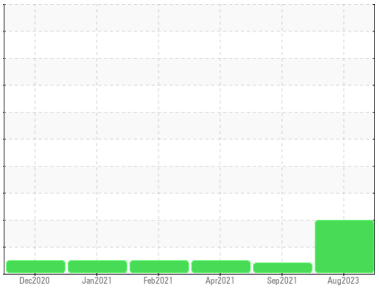
NORMAL

No corrective action is recommended at this time. 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Area
PALLUBE 32
Machine Id
PALATEK 1604110004 - PRATT INDUSTRIES
Component
Compressor

DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a high concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**UCH05923504**	UCS05369146	UCS05232056
Sample Date		Client Info		**01 Aug 2023**	09 Sep 2021	13 Apr 2021
Machine Age	hrs	Client Info		**63139**	46558	42981
Oil Age	hrs	Client Info		**2000**	4000	800
Oil Changed		Client Info		**Not Changd**	Not Changd	Changed
Sample Status				**ABNORMAL**	ATTENTION	NORMAL

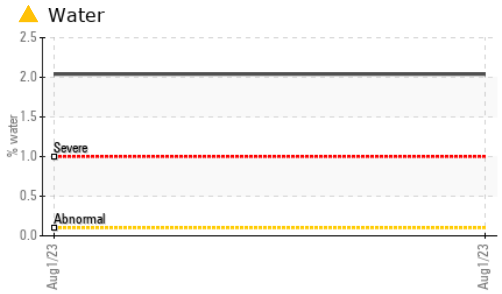
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	**<1**	<1	0
Chromium	ppm	ASTM D5185m	>10	**0**	0	0
Nickel	ppm	ASTM D5185m		**0**	<1	0
Titanium	ppm	ASTM D5185m		**0**	<1	0
Silver	ppm	ASTM D5185m		**0**	<1	0
Aluminum	ppm	ASTM D5185m	>25	**0**	<1	0
Lead	ppm	ASTM D5185m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

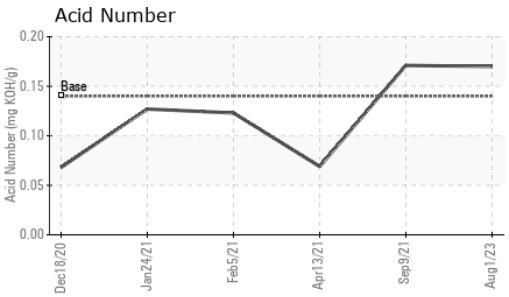
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	1	**<1**	7	2
Barium	ppm	ASTM D5185m	730	**353**	▲ <1	533
Molybdenum	ppm	ASTM D5185m	0	**0**	0	0
Manganese	ppm	ASTM D5185m	0.0	**0**	0	0
Magnesium	ppm	ASTM D5185m	0	**1**	<1	<1
Calcium	ppm	ASTM D5185m	0	**7**	<1	4
Phosphorus	ppm	ASTM D5185m	0	**7**	11	12
Zinc	ppm	ASTM D5185m	0	**4**	0	4
Sulfur	ppm	ASTM D5185m	590	**999**	384	539

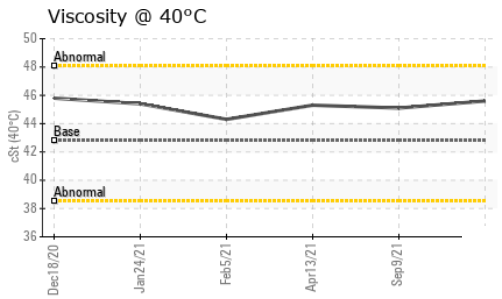
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**<1**	<1	0
Sodium	ppm	ASTM D5185m		**67**	45	51
Potassium	ppm	ASTM D5185m	>20	**8**	3	4
Water	%	ASTM D6304	>0.1	▲ **2.04**	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ **20400**	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	**0.17**	0.171	0.069

OIL ANALYSIS REPORT

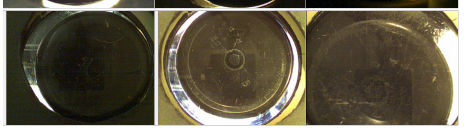




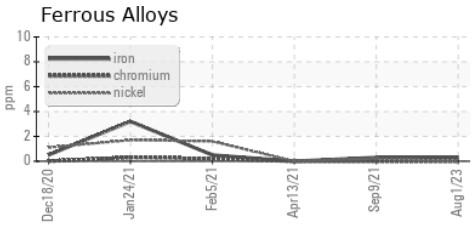


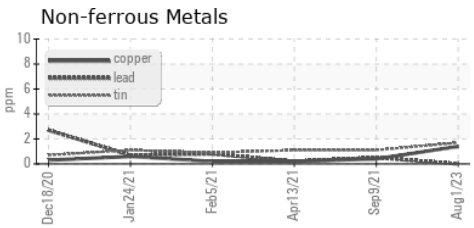
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	▲ **MODER**	NONE	NONE
Sand/Dirt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

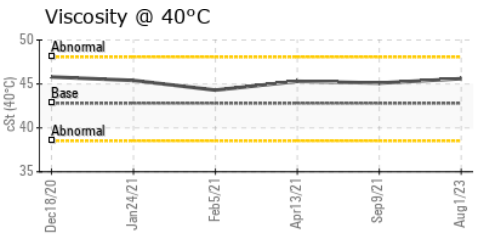
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	42.8	**45.6**	45.1	45.3

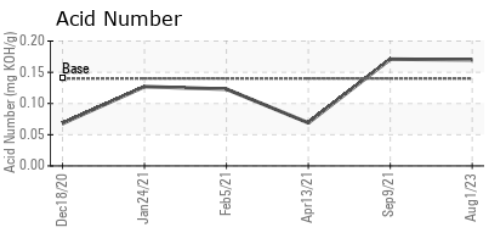
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS









Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05923504 **Received** : 14 Aug 2023
Lab Number : 05923504 **Diagnosed** : 15 Aug 2023
Unique Number : 10603451 **Diagnostician** : Angela Borella
Test Package : IND 2 (Additional Tests: KF)

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)

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