



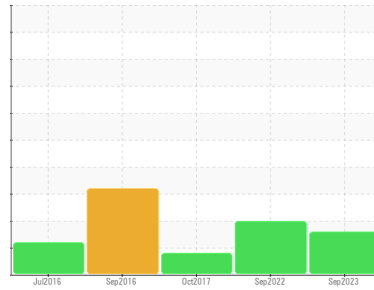
PROBLEM SUMMARY

Area
FINISHING
Machine Id
1225HP01

Component
Hydraulic System

Fluid
KLUBER SUMMIT HYSYN FG 46 (10 GAL)

Sample Rating Trend

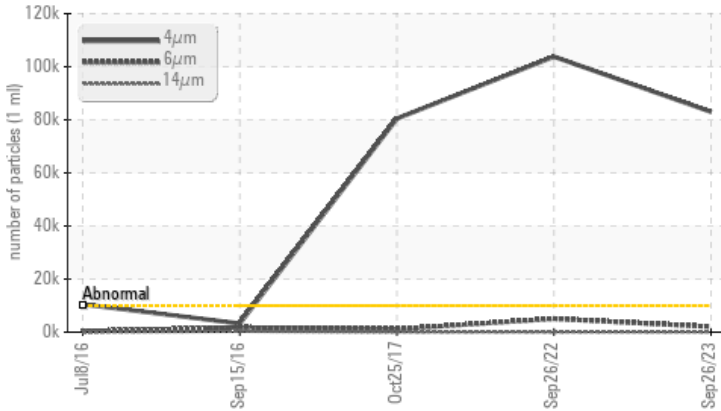


WEAR

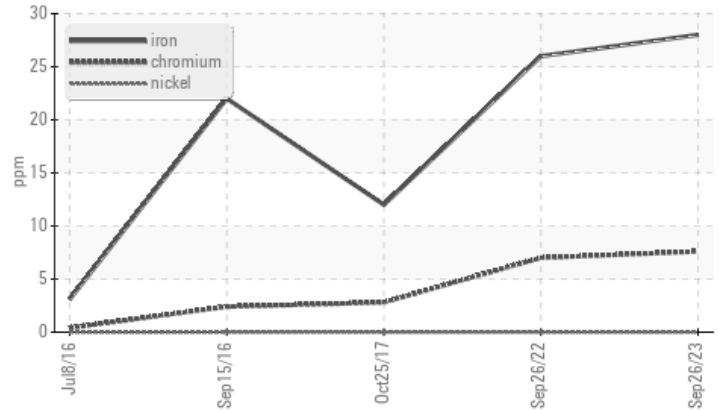


COMPONENT CONDITION SUMMARY

▲ Particle Trend



▲ Ferrous Alloys



RECOMMENDATION

No corrective action is recommended at this time.
Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m >20	▲ 28	▲ 26	12
Particles >4µm		ASTM D7647 >10000	▲ 83003	▲ 103805	▲ 80454
Oil Cleanliness		ISO 4406 (c) >20/18/15	▲ 24/18/12	▲ 24/20/12	▲ 24/17/11

Customer Id: FLAMONNC
Sample No.: WC0806878
Lab Number: 06027727
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@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

26 Sep 2022 Diag: Don Baldrige

WEAR



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



25 Oct 2017 Diag: Don Baldrige

ISO



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 a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



15 Sep 2016 Diag: Doug Bogart

WEAR



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

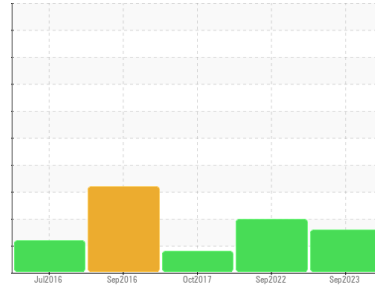
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
FINISHING
 Machine Id
1225HP01

Component
Hydraulic System
 Fluid

KLUBER SUMMIT HYSYN FG 46 (10 GAL)

DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

▲ Wear

The iron level is abnormal. All other component wear rates are normal.

▲ Contamination

There is a high amount of silt (particulates < 6 microns in size) 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		WC0806878	WC0668038	WCI2319557
Sample Date	Client Info		26 Sep 2023	26 Sep 2022	25 Oct 2017
Machine Age	hrs	Client Info	0	0	6
Oil Age	hrs	Client Info	0	0	3
Oil Changed	Client Info		N/A	Not Chngd	Not Chngd
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		18	---	---
Iron	ppm	ASTM D5185m >20	▲ 28	▲ 26	12
Chromium	ppm	ASTM D5185m >20	8	7	3
Nickel	ppm	ASTM D5185m >20	0	0	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	0	<1	0
Aluminum	ppm	ASTM D5185m >20	2	<1	<1
Lead	ppm	ASTM D5185m >20	0	<1	0
Copper	ppm	ASTM D5185m >20	6	5	2
Tin	ppm	ASTM D5185m >20	0	<1	<1
Antimony	ppm	ASTM D5185m	---	---	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1
Barium	ppm	ASTM D5185m	5	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	0	<1	<1
Magnesium	ppm	ASTM D5185m	3	2	1
Calcium	ppm	ASTM D5185m	113	113	103
Phosphorus	ppm	ASTM D5185m	465	447	390
Zinc	ppm	ASTM D5185m	611	599	588
Sulfur	ppm	ASTM D5185m	7422	7199	5906

CONTAMINANTS

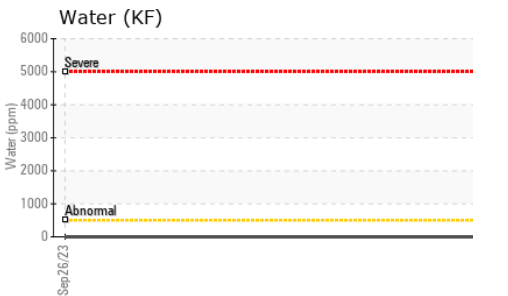
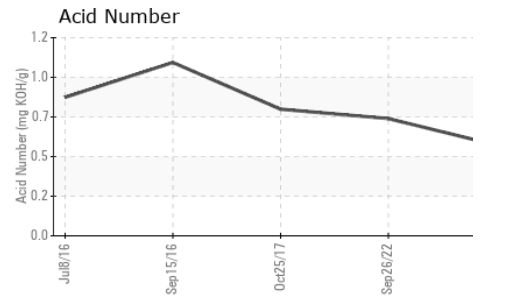
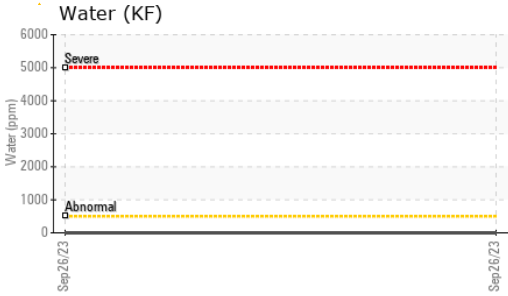
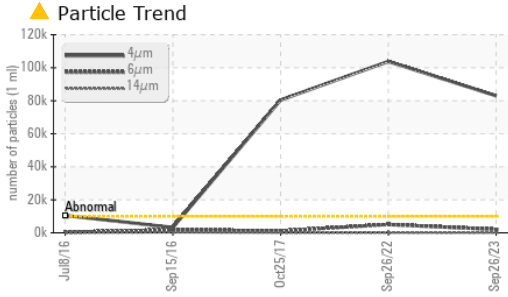
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	1	<1	1
Sodium	ppm	ASTM D5185m	0	1	<1
Potassium	ppm	ASTM D5185m >20	2	0	0
Water	%	ASTM D6304 >0.05	0.00	---	---
ppm Water	ppm	ASTM D6304 >500	0	---	---

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	▲ 83003	▲ 103805	▲ 80454
Particles >6µm	ASTM D7647	>2500	2053	▲ 5053	▲ 1156
Particles >14µm	ASTM D7647	>320	21	40	13
Particles >21µm	ASTM D7647	>80	5	7	6
Particles >38µm	ASTM D7647	>20	1	0	4
Particles >71µm	ASTM D7647	>4	0	0	3
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲ 24/18/12	▲ 24/20/12	▲ 24/17/11



OIL ANALYSIS REPORT

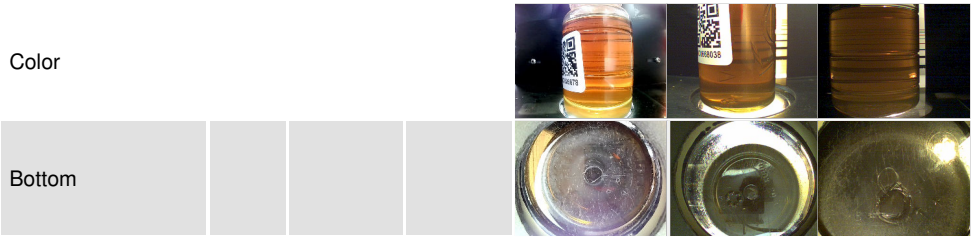


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.55	0.71	0.767

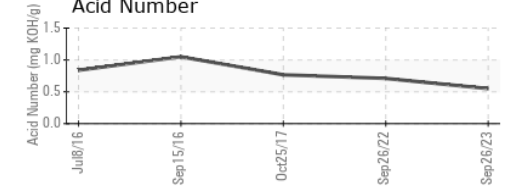
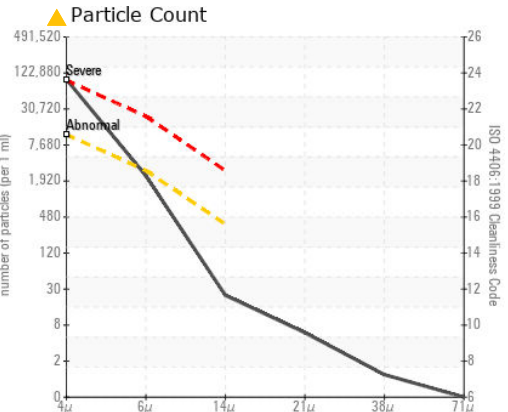
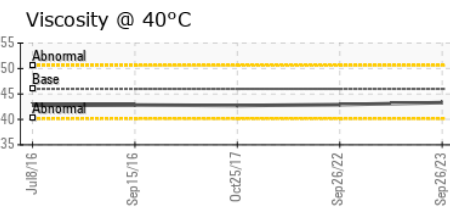
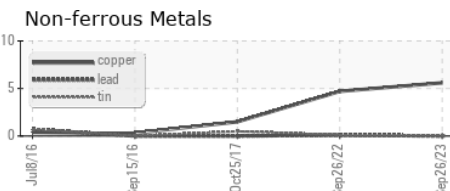
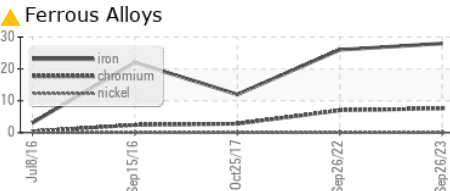
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	43.3	42.9	42.72

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0806878 **Received** : 07 Dec 2023
Lab Number : **06027727** **Diagnosed** : 08 Dec 2023
Unique Number : 10777518 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: KF, PQ)

ARAUCO FLAKEBOARD - MDF
 985 CORINTH RD
 MONCURE, NC
 US
 Contact: CHRISTOPHER JACKSON
 christopher.jackson@arauco.com

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)