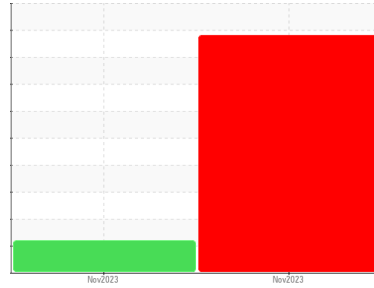




PROBLEM SUMMARY

Sample Rating Trend



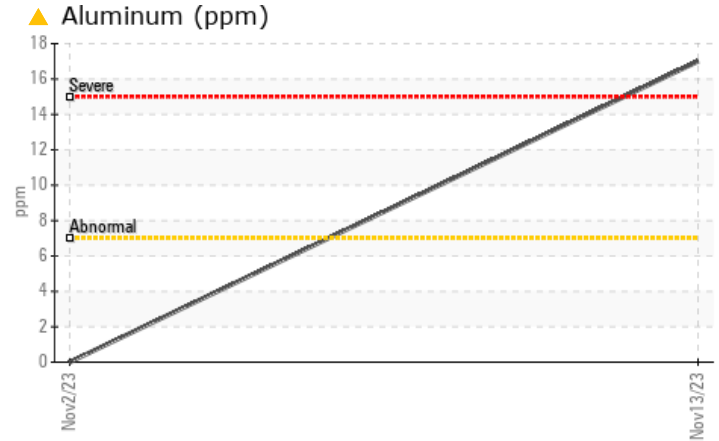
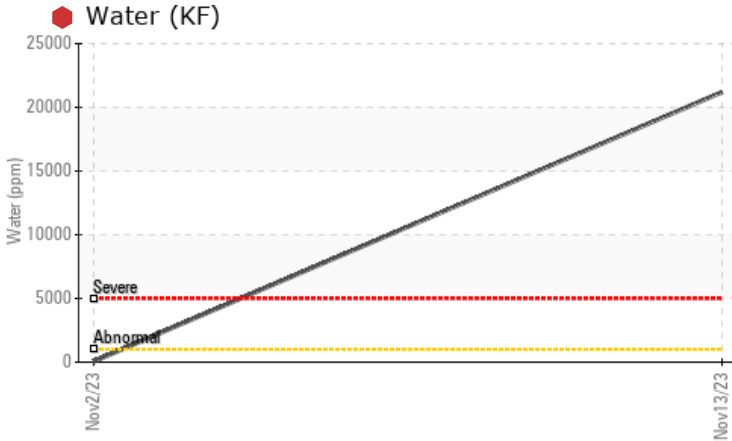
WATER



Machine Id HIGH PRESSURE PUMP SKINNER 16

Component
Pump
Fluid
NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you follow the water drain-off procedure for this component and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	ABNORMAL	---
Aluminum	ppm	ASTM D5185m	>7	▲ 17	0	---
Water	%	ASTM D6304	>.1	● 2.12	0.005	---
ppm Water	ppm	ASTM D6304	>1000	● 21200	50.4	---
Emulsified Water	scalar	*Visual	>.1	● 0.2%	NEG	---
Free Water	scalar	*Visual		● >10%	NEG	---

Customer Id: TYSWAV
Sample No.: USP0003729
Lab Number: 06010877
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

Action	Status	Date	Done By	Description
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

02 Nov 2023 Diag: Doug Bogart

ISO



Resample at the next service interval to monitor. Please specify the brand and viscosity of the oil on your next sample. 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.

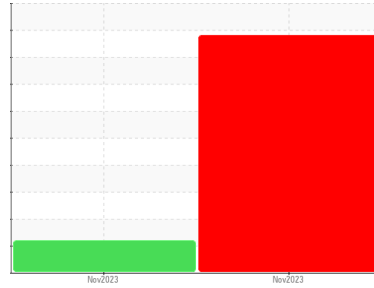
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id HIGH PRESSURE PUMP SKINNER 16

Component
Pump
Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count.

Wear

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

Contamination

Excessive free water present. There is a high concentration of water present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			USP0003729	USP242313	---
Sample Date	Client Info			13 Nov 2023	02 Nov 2023	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed	Client Info			N/A	N/A	---
Sample Status				SEVERE	ABNORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	36	2	---
Chromium	ppm	ASTM D5185m	>5	3	0	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m	>3	0	0	---
Silver	ppm	ASTM D5185m	>3	<1	0	---
Aluminum	ppm	ASTM D5185m	>7	▲ 17	0	---
Lead	ppm	ASTM D5185m	>12	0	0	---
Copper	ppm	ASTM D5185m	>30	3	2	---
Tin	ppm	ASTM D5185m	>9	0	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
Cadmium	ppm	ASTM D5185m		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m		3	1	---
Calcium	ppm	ASTM D5185m		55	47	---
Phosphorus	ppm	ASTM D5185m		276	369	---
Zinc	ppm	ASTM D5185m		370	470	---
Sulfur	ppm	ASTM D5185m		4206	2635	---

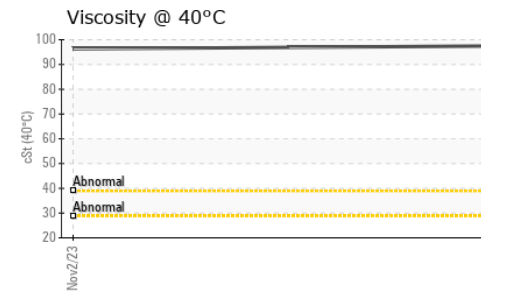
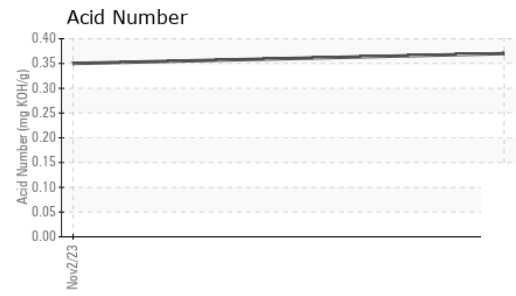
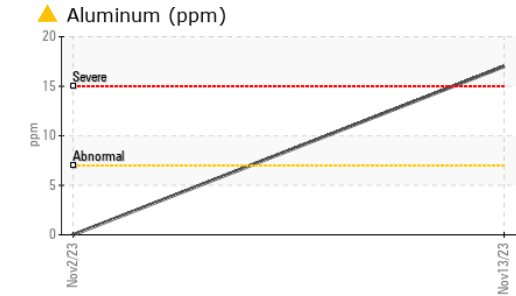
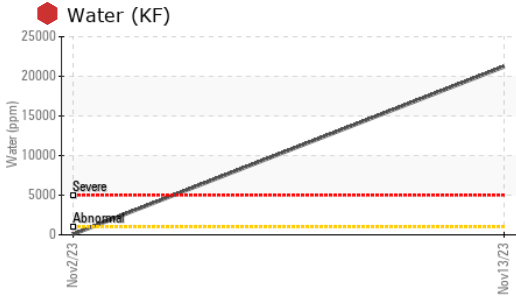
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	11	3	---
Sodium	ppm	ASTM D5185m		2	3	---
Potassium	ppm	ASTM D5185m	>20	0	<1	---
Water	%	ASTM D6304	>.1	● 2.12	0.005	---
ppm Water	ppm	ASTM D6304	>1000	● 21200	50.4	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	---	▲ 134681	---
Particles >6µm		ASTM D7647	>1300	---	▲ 24155	---
Particles >14µm		ASTM D7647	>160	---	90	---
Particles >21µm		ASTM D7647	>40	---	22	---
Particles >38µm		ASTM D7647	>10	---	2	---
Particles >71µm		ASTM D7647	>3	---	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	---	▲ 24/22/14	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.37	0.35	---



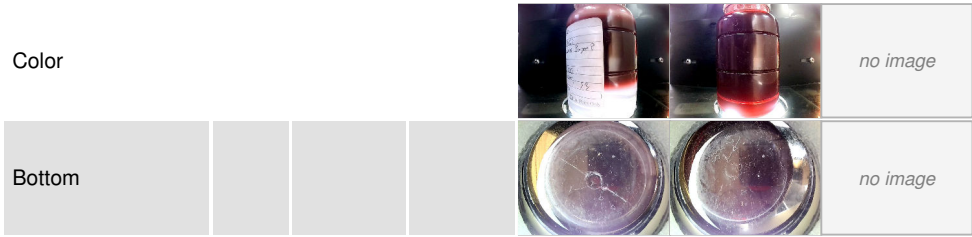
OIL ANALYSIS REPORT



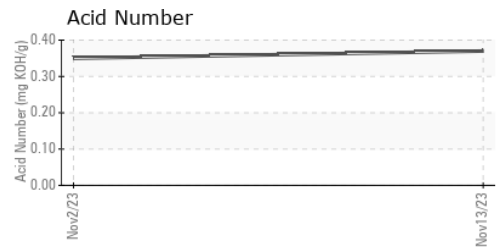
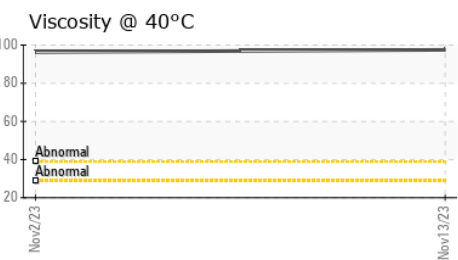
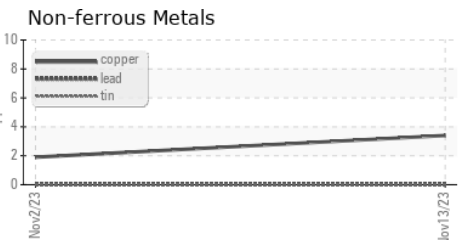
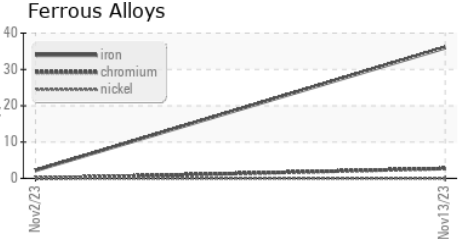
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.1	0.2%	NEG
Free Water	scalar	*Visual		>10%	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	97.5	96.3	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0003729 **Received** : 17 Nov 2023
Lab Number : 06010877 **Diagnosed** : 20 Nov 2023
Unique Number : 10750021 **Diagnostician** : Doug Bogart
Test Package : IND 2

TYSON - SMART CHICKEN MBA
 13151 DOVER ST
 WAVERLY, NE
 US 68462
 Contact: KURT CONTRADT
 kconradt@smartchicken.com
 T: (402)786-1072
 F:

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)