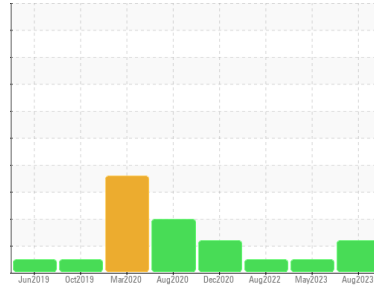




PROBLEM SUMMARY

Sample Rating Trend



VISUAL METAL



Machine Id
ELGI AC 3 (S/N MQKS030036)
 Component
Air Compressor
 Fluid
INGERSOLL-RAND ULTRA FG (10 GAL)

COMPONENT CONDITION SUMMARY

No relevant graphs to display


RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	NORMAL
White Metal	scalar	*Visual	NONE	▲ MODER	NONE	NONE

Customer Id: PERPERUSP
Sample No.: USP0000531
Lab Number: 05929622
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
Change Filter	---	---	?	We recommend you service the filters on this component.
Alert	---	---	?	We were unable to perform a particle count due to metal particles present in this sample.

HISTORICAL DIAGNOSIS

06 May 2023 Diag: Doug Bogart

NORMAL



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. An increase in the viscosity is noted. Confirmed. The AN level is acceptable for this fluid.

view report



28 Aug 2022 Diag: Doug Bogart

NORMAL



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 condition of the oil is suitable for further service.

view report



10 Dec 2020 Diag: Jonathan Hester

ISO



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate 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.

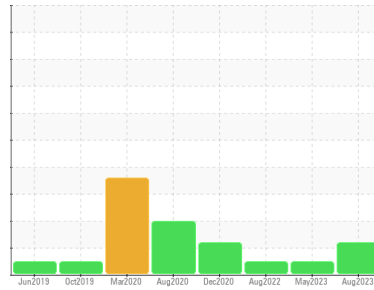
view report





OIL ANALYSIS REPORT

Sample Rating Trend



VISUAL METAL



Machine Id
ELGI AC 3 (S/N MQKS030036)

Component
Air Compressor

Fluid
INGERSOLL-RAND ULTRA FG (10 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample.

Wear

Moderate concentration of visible metal present. All component wear rates are normal.

Contamination

No other contaminants were detected 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	USP0000531	USP245933	USP242985
Sample Date	Client Info	15 Aug 2023	06 May 2023	28 Aug 2022
Machine Age	hrs	Client Info	0	1488
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<1	<1
Chromium	ppm	ASTM D5185m >4	0	0
Nickel	ppm	ASTM D5185m >4	0	0
Titanium	ppm	ASTM D5185m	<1	0
Silver	ppm	ASTM D5185m	0	<1
Aluminum	ppm	ASTM D5185m >10	0	<1
Lead	ppm	ASTM D5185m >20	0	<1
Copper	ppm	ASTM D5185m >40	1	<1
Tin	ppm	ASTM D5185m >5	0	<1
Antimony	ppm	ASTM D5185m	---	---
Vanadium	ppm	ASTM D5185m	<1	0
Cadmium	ppm	ASTM D5185m	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0
Barium	ppm	ASTM D5185m	0	8
Molybdenum	ppm	ASTM D5185m	0	0
Manganese	ppm	ASTM D5185m	<1	<1
Magnesium	ppm	ASTM D5185m	18	9
Calcium	ppm	ASTM D5185m	14	46
Phosphorus	ppm	ASTM D5185m	219	192
Zinc	ppm	ASTM D5185m	166	8
Sulfur	ppm	ASTM D5185m	420	476

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	0	0
Sodium	ppm	ASTM D5185m	40	29
Potassium	ppm	ASTM D5185m >20	7	4
Water	%	ASTM D6304 >0.6	0.021	0.013
ppm Water	ppm	ASTM D6304 >6000	212.2	132.4

FLUID CLEANLINESS

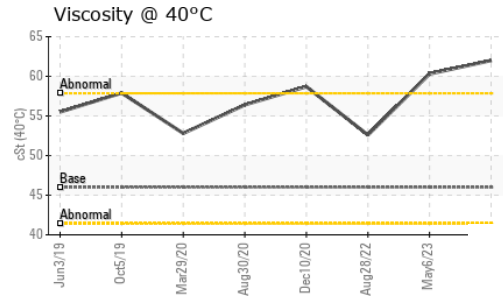
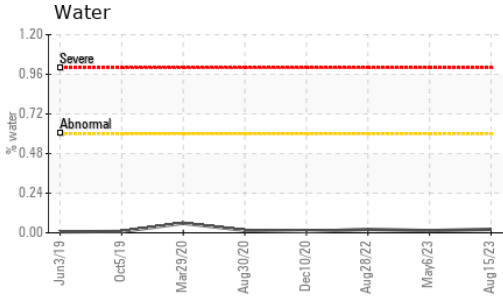
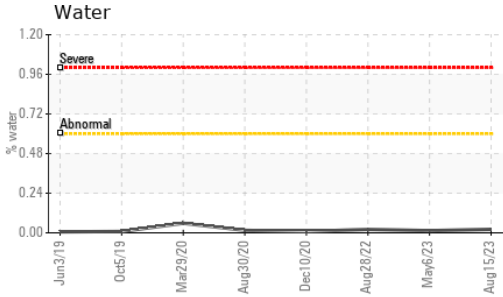
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >20000	---	968	3139
Particles >6µm	ASTM D7647 >2500	---	498	586
Particles >14µm	ASTM D7647 >320	---	121	35
Particles >21µm	ASTM D7647 >80	---	47	5
Particles >38µm	ASTM D7647 >20	---	2	1
Particles >71µm	ASTM D7647 >4	---	0	0
Oil Cleanliness	ISO 4406 (c) >21/18/15	---	17/16/14	19/16/12

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.725	0.62



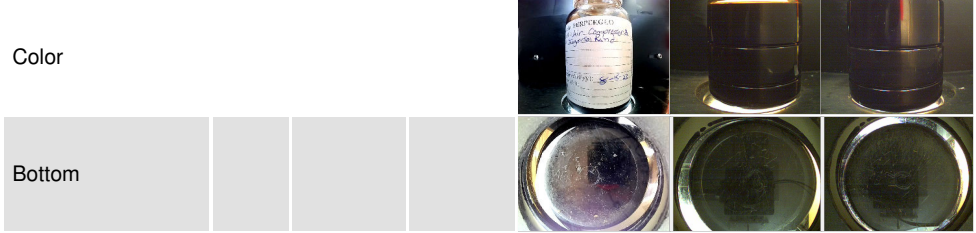
OIL ANALYSIS REPORT



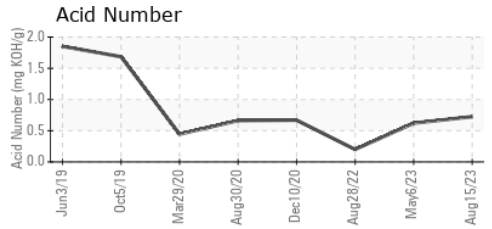
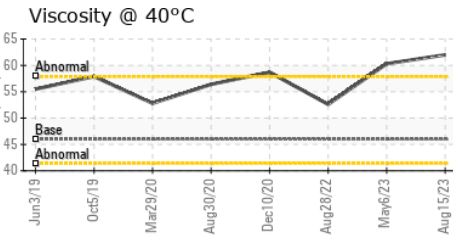
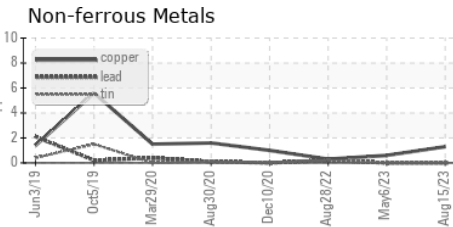
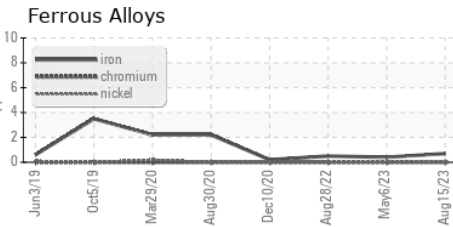
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.6	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	46.0	62.0	60.3	52.6

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. : USP0000531 **Received** : 21 Aug 2023
Lab Number : 05929622 **Diagnosed** : 22 Aug 2023
Unique Number : 10609569 **Diagnostician** : Doug Bogart
Test Package : IND 2

PERDUE FARMS INC
 250 GEORGIA HWY 247 SPUR
 PERRY, GA
 US 31069
 Contact: JAMES EAST
 james.east@perdue.com
 T: (478)988-6048
 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)