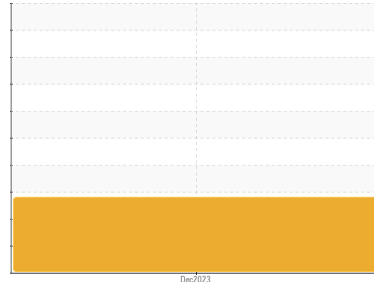




# OIL ANALYSIS REPORT

Sample Rating Trend



**WATER**



Machine Id  
**AIR 1**  
 Component  
**Air Compressor**  
 Fluid  
**{not provided} (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

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

### Wear

All component wear rates are normal.

### ▲ Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil. There is a light concentration of water present in the oil.

### Fluid Condition

Viscosity confirmed. 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	<b>USPM30686</b>	---	---
Sample Date	Client Info	<b>24 Dec 2023</b>	---	---
Machine Age	hrs Client Info	<b>4522</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >50	<b>7</b>	---	---
Chromium ppm	ASTM D5185m >4	<b>0</b>	---	---
Nickel ppm	ASTM D5185m >4	<b>0</b>	---	---
Titanium ppm	ASTM D5185m	<b>0</b>	---	---
Silver ppm	ASTM D5185m	<b>0</b>	---	---
Aluminum ppm	ASTM D5185m >10	<b>0</b>	---	---
Lead ppm	ASTM D5185m >20	<b>0</b>	---	---
Copper ppm	ASTM D5185m >40	<b>2</b>	---	---
Tin ppm	ASTM D5185m >5	<b>0</b>	---	---
Vanadium ppm	ASTM D5185m	<b>0</b>	---	---
Cadmium ppm	ASTM D5185m	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	<b>0</b>	---	---
Barium ppm	ASTM D5185m	<b>2</b>	---	---
Molybdenum ppm	ASTM D5185m	<b>0</b>	---	---
Manganese ppm	ASTM D5185m	<b>1</b>	---	---
Magnesium ppm	ASTM D5185m	<b>8</b>	---	---
Calcium ppm	ASTM D5185m	<b>35</b>	---	---
Phosphorus ppm	ASTM D5185m	<b>257</b>	---	---
Zinc ppm	ASTM D5185m	<b>155</b>	---	---
Sulfur ppm	ASTM D5185m	<b>474</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >25	<b>0</b>	---	---
Sodium ppm	ASTM D5185m	<b>22</b>	---	---
Potassium ppm	ASTM D5185m >20	<b>0</b>	---	---
Water %	ASTM D6304 >0.6	<b>▲ 0.192</b>	---	---
ppm Water	ASTM D6304 >6000	<b>▲ 1920</b>	---	---

## FLUID CLEANLINESS

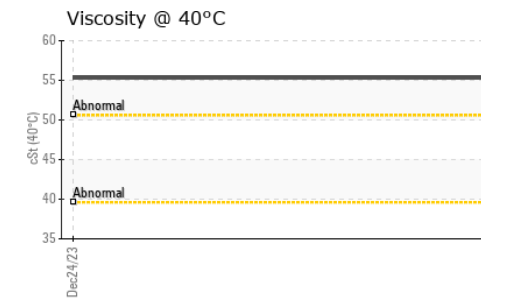
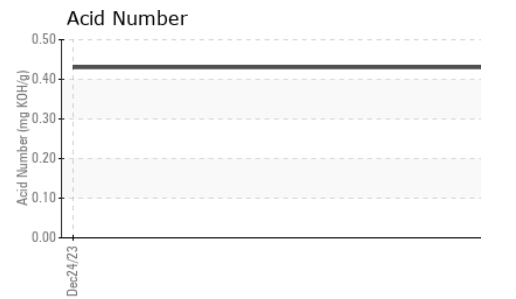
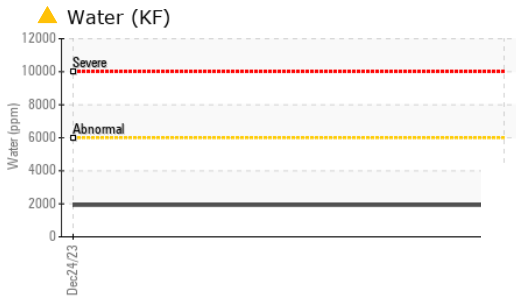
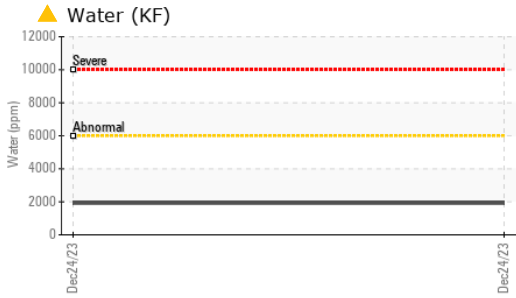
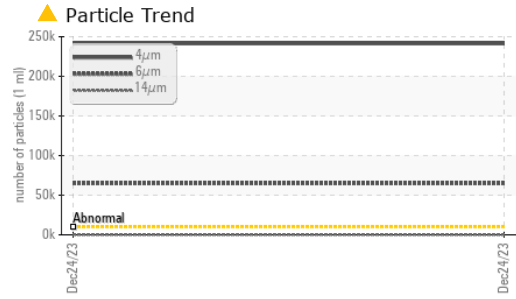
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	<b>▲ 241314</b>	---	---
Particles >6µm	ASTM D7647 >2500	<b>▲ 64912</b>	---	---
Particles >14µm	ASTM D7647 >320	<b>139</b>	---	---
Particles >21µm	ASTM D7647 >80	<b>7</b>	---	---
Particles >38µm	ASTM D7647 >20	<b>1</b>	---	---
Particles >71µm	ASTM D7647 >4	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c) >20/18/15	<b>▲ 25/23/14</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045	<b>0.43</b>	---	---



# OIL ANALYSIS REPORT



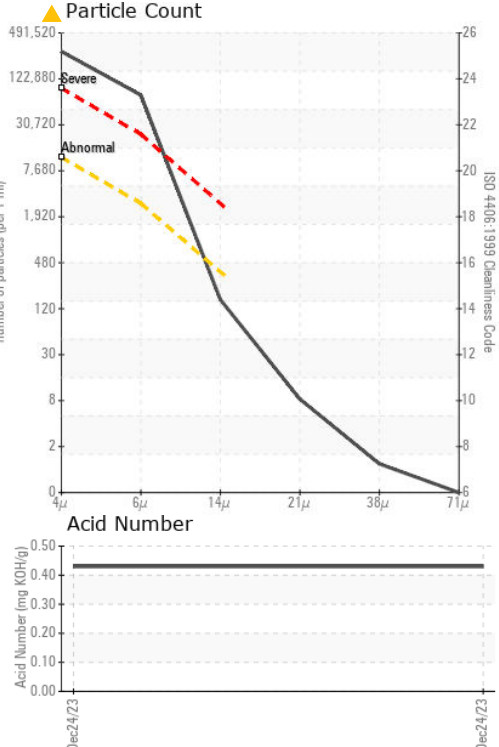
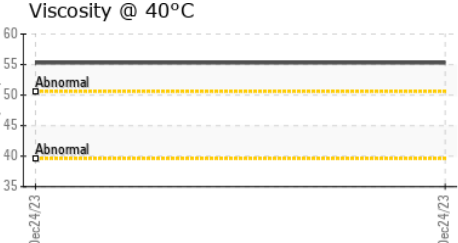
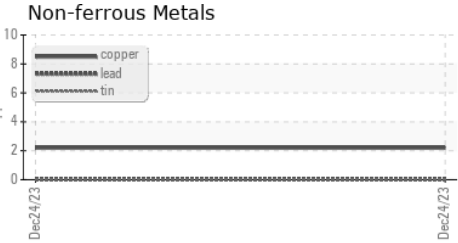
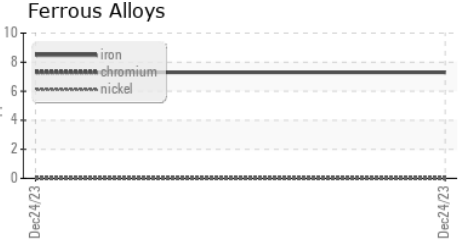
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.6	0.2%	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	55.3	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : USPM30686 **Received** : 19 Jan 2024  
**Lab Number** : 06065657 **Diagnosed** : 25 Jan 2024  
**Unique Number** : 10837039 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

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

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)