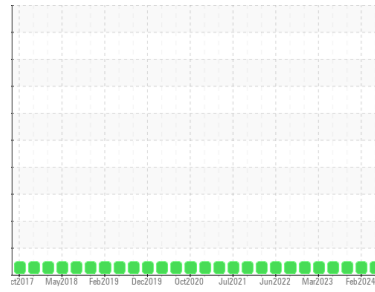




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**AIR 3 (S/N 1530 - 100768.1)**  
 Component  
**Air Compressor**  
 Fluid  
**USPI MAX FG AIR 46 (--- GAL)**

### DIAGNOSIS

**Recommendation**  
 Resample at the next service interval to monitor.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

**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			<b>USPM37590</b>	USPM30065	USPM29789
Sample Date	Client Info			<b>09 Jun 2024</b>	06 Feb 2024	28 Sep 2023
Machine Age	hrs Client Info			<b>0</b>	74008	72261
Oil Age	hrs Client Info			<b>0</b>	1747	14910
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Chromium	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Lead	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>40	<b>0</b>	0	<1
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	0	<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m	0	<b>0</b>	1	0
Calcium	ppm	ASTM D5185m	0	<b>&lt;1</b>	2	0
Phosphorus	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	<1
Zinc	ppm	ASTM D5185m	0	<b>2</b>	0	0
Sulfur	ppm	ASTM D5185m	0	<b>5</b>	15	0

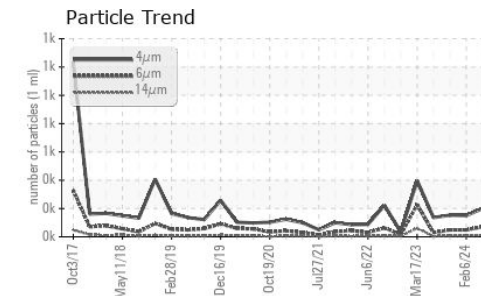
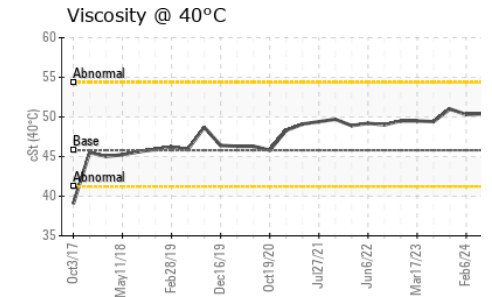
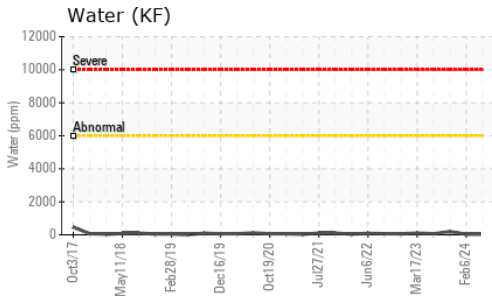
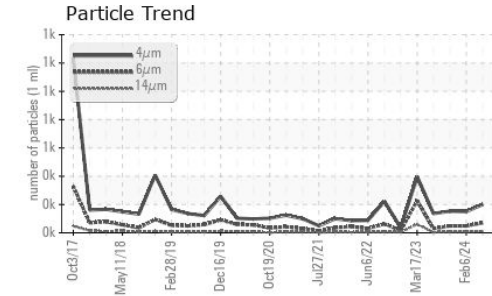
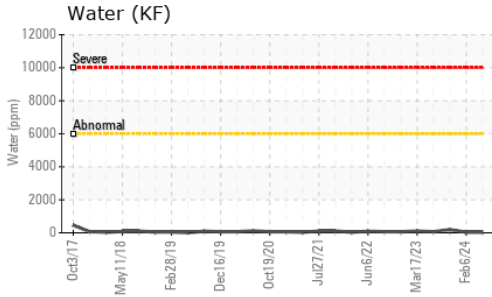
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	<1
Sodium	ppm	ASTM D5185m		<b>1</b>	<1	0
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	<1
Water	%	ASTM D6304	>0.6	<b>0.003</b>	0.003	0.019
ppm Water	ppm	ASTM D6304	>6000	<b>31</b>	35	195.7

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		<b>201</b>	150	153
Particles >6µm		ASTM D7647	>1300	<b>71</b>	49	49
Particles >14µm		ASTM D7647	>80	<b>11</b>	8	7
Particles >21µm		ASTM D7647	>20	<b>3</b>	1	3
Particles >38µm		ASTM D7647	>4	<b>0</b>	0	1
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>--/17/13	<b>15/13/11</b>	14/13/10	14/13/10

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.16	<b>0.26</b>	0.23	0.29



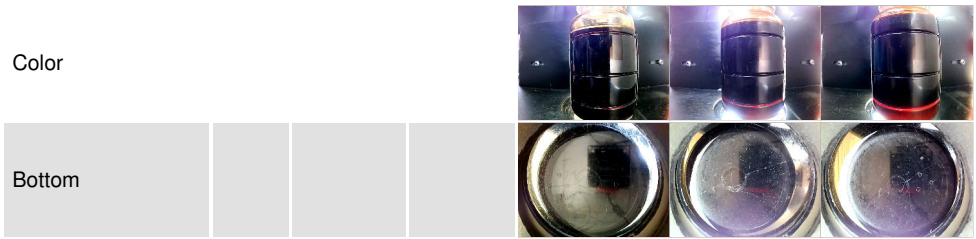
# OIL ANALYSIS REPORT



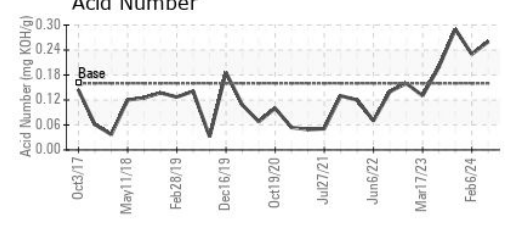
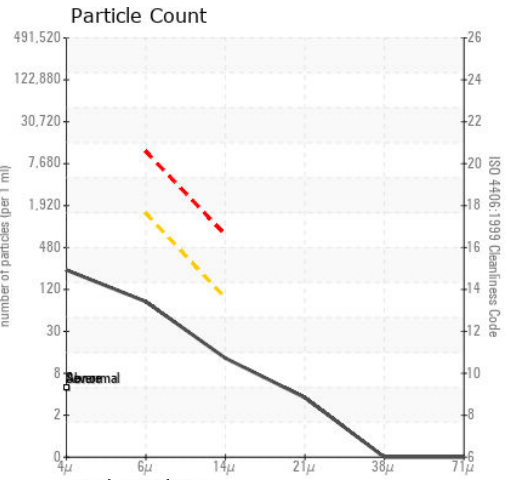
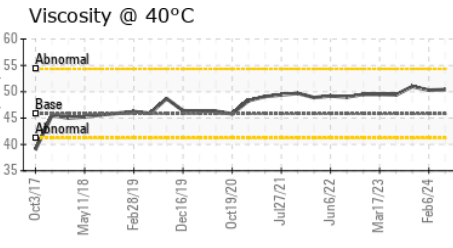
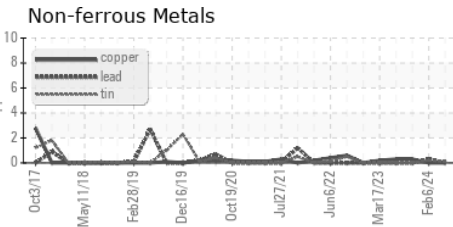
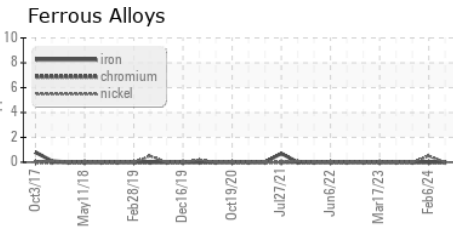
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45.8	50.4	50.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : USPM37590  
**Lab Number** : 06204677  
**Unique Number** : 11072138  
**Test Package** : IND 2  
**Received** : 10 Jun 2024  
**Tested** : 12 Jun 2024  
**Diagnosed** : 12 Jun 2024 - Doug Bogart

**AMERICAN FOODS GROUP - EAST RIVER**  
 800 UNIVERSITY AVE  
 GREEN BAY, WI  
 US 54302  
 Contact: Service Manager

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)