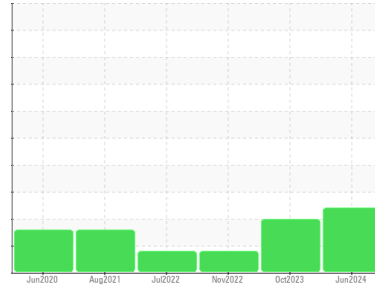




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
INGERSOLL RAND CUT 30HP W (S/N CBV374172)
 Component
Air Compressor
 Fluid
USPI AIR 46 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a trace of moisture present in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

Additive levels indicate the addition of a different brand or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		USPM37576	USPM26935	USPM24426
Sample Date	Client Info		02 Jun 2024	19 Oct 2023	30 Nov 2022
Machine Age	hrs	Client Info	17106	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ATTENTION	ABNORMAL	ATTENTION

WEAR METALS

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

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	0	0	<1
Barium	ppm	ASTM D5185m 0	1045	1094	1020
Molybdenum	ppm	ASTM D5185m 0	0	0	0
Manganese	ppm	ASTM D5185m	<1	0	0
Magnesium	ppm	ASTM D5185m 0	1	0	2
Calcium	ppm	ASTM D5185m 0	4	0	1
Phosphorus	ppm	ASTM D5185m 1	2	0	35
Zinc	ppm	ASTM D5185m 0	21	9	5
Sulfur	ppm	ASTM D5185m 0	455	356	219

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	2	2	2
Sodium	ppm	ASTM D5185m	18	26	18
Potassium	ppm	ASTM D5185m >20	4	6	1
Water	%	ASTM D6304 >0.2	0.215	0.133	0.112
ppm Water	ppm	ASTM D6304 >2000	2158	1335.5	1121.8

FLUID CLEANLINESS

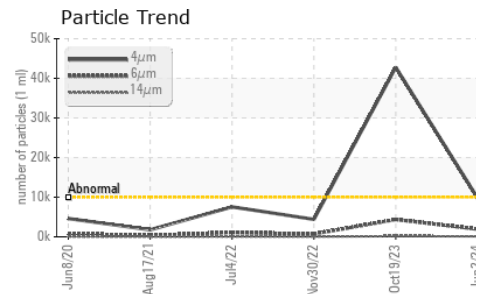
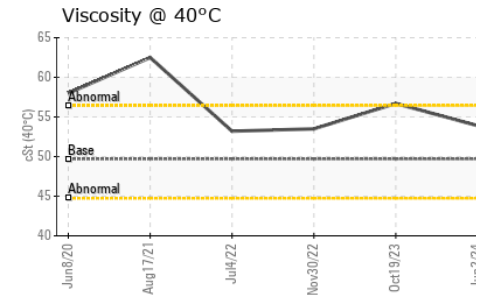
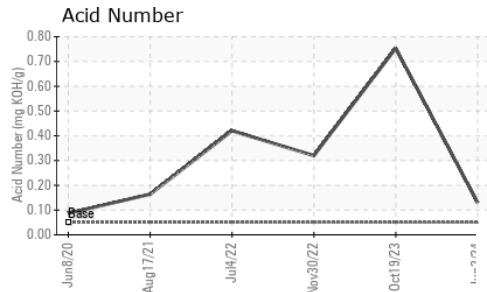
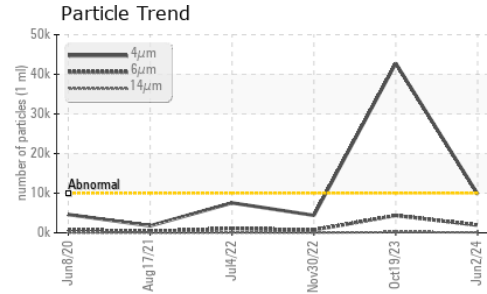
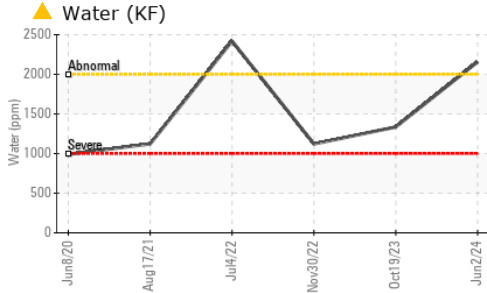
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	9786	42777	4407
Particles >6µm	ASTM D7647	>2500	1941	4379	681
Particles >14µm	ASTM D7647	>320	125	166	53
Particles >21µm	ASTM D7647	>80	24	37	13
Particles >38µm	ASTM D7647	>20	1	1	0
Particles >71µm	ASTM D7647	>4	0	0	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	20/18/14	23/19/15	19/17/13

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.05	0.13	0.753	0.32



OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
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	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	49.7	53.9	56.7

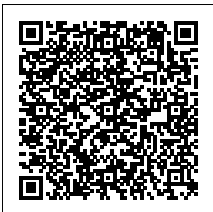
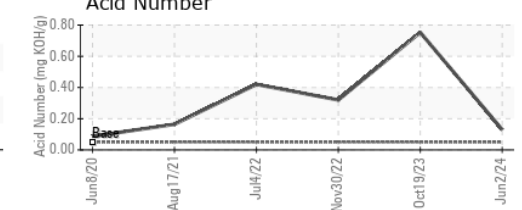
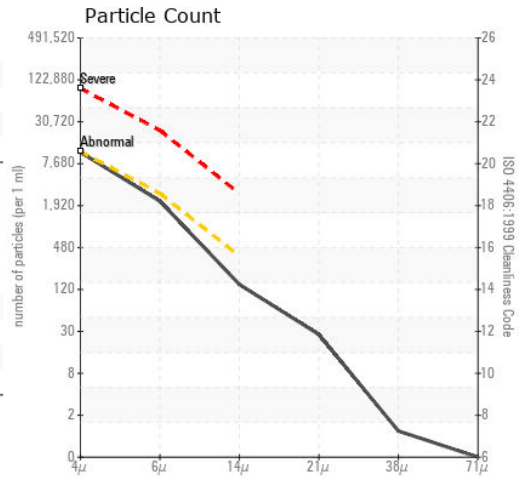
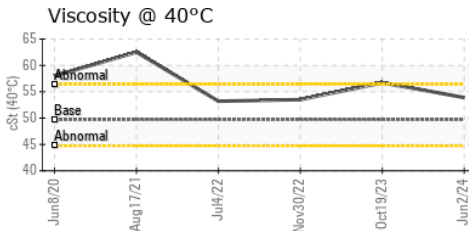
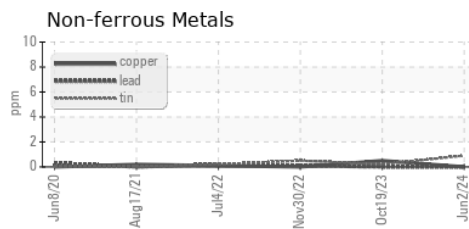
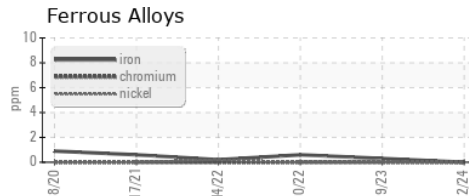
SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

Color

Bottom



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : USPM37576
 Lab Number : 06204671
 Unique Number : 11072132
 Test Package : IND 2

Received : 10 Jun 2024
 Tested : 12 Jun 2024
 Diagnosed : 12 Jun 2024 - Doug Bogart

SEABOARD FOODS
 2700 ne 28th street
 GUYMON, OK
 US 73942
 Contact: SERGIO CARLOS

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)

T: (580)338-9613

F: