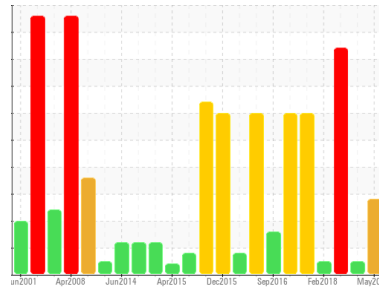




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
PD-04 [1980935]
 Machine Id
AC 3 (S/N 003-98671)
 Component
Compressor
 Fluid
ISO 32 (13 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: Annual oil sample)

Wear

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

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is higher than normal. 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		WC0928818	WCI2302068	WCI2302101
Sample Date	Client Info		23 May 2024	28 Apr 2018	08 Mar 2018
Machine Age	hrs	Client Info	30482	32593	32531
Oil Age	hrs	Client Info	30482	1363	0
Oil Changed	Client Info		Not Chngd	N/A	Not Chngd
Sample Status			ATTENTION	NORMAL	SEVERE

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	22	32	19
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	0	0
Lead	ppm	ASTM D5185m	>25	<1	1	1
Copper	ppm	ASTM D5185m	>50	45	3	3
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Antimony	ppm	ASTM D5185m		---	<1	0
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	<1	2
Barium	ppm	ASTM D5185m		887	<1	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	<1	1
Magnesium	ppm	ASTM D5185m		2	0	0
Calcium	ppm	ASTM D5185m		37	4	0
Phosphorus	ppm	ASTM D5185m		22	138	136
Zinc	ppm	ASTM D5185m		485	67	70
Sulfur	ppm	ASTM D5185m		426	245	221

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	2	1	1
Sodium	ppm	ASTM D5185m		66	6	9
Potassium	ppm	ASTM D5185m	>20	5	0	4

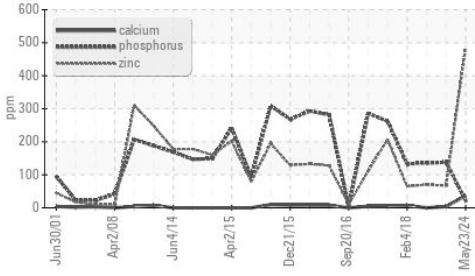
FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		0.58	0.857	0.886

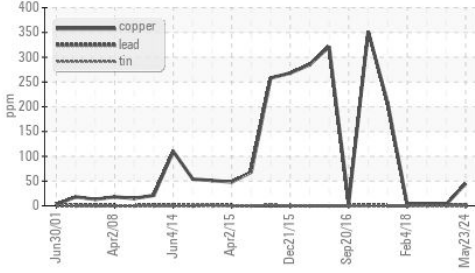


OIL ANALYSIS REPORT

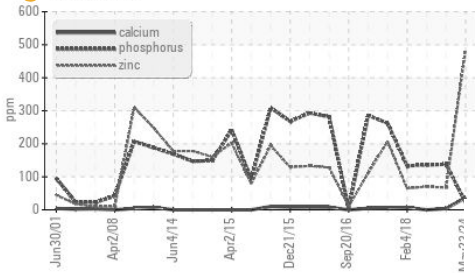
Additives



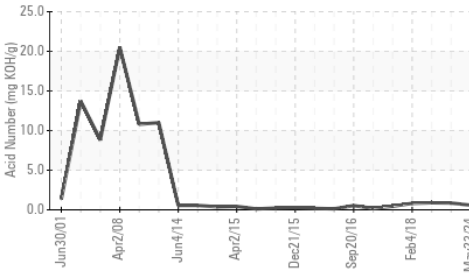
Non-ferrous Metals



Additives



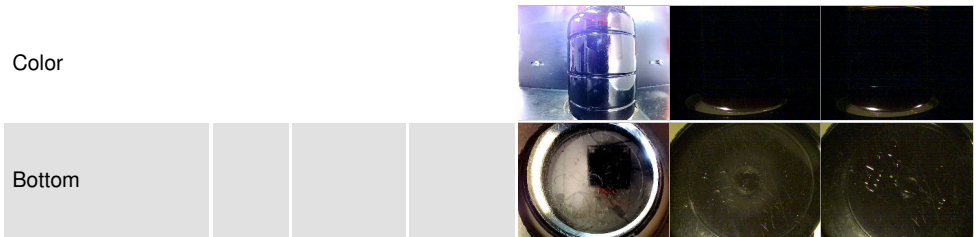
Acid Number



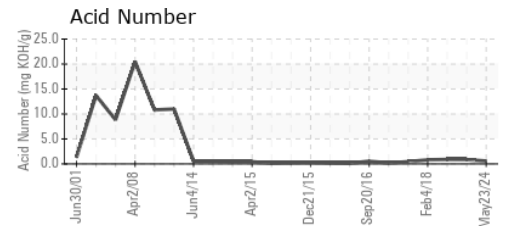
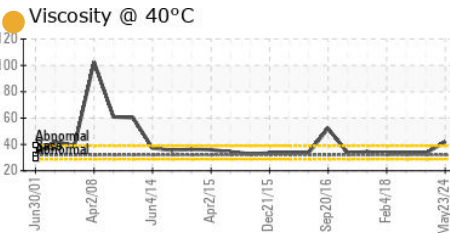
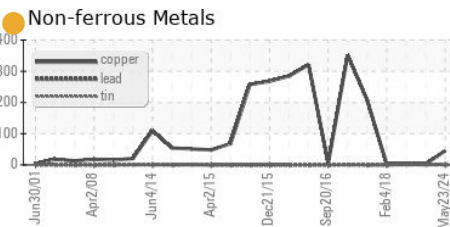
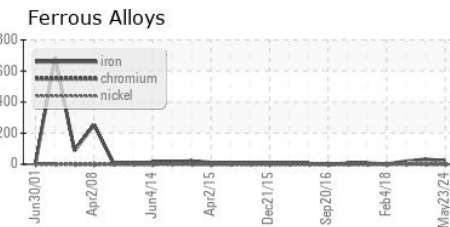
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	▲ HEAVY
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	32.0	41.94	33.33	33.64

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. : WC0928818

Lab Number : 06198302

Unique Number : 11060425

Test Package : IND 2

Received : 03 Jun 2024

Tested : 06 Jun 2024

Diagnosed : 10 Jun 2024 - Jonathan Hester

LEPRINO FOODS-FORT MORGAN

2400 EAST BEAVER AVE

FORT MORGAN, CO

US 80701

Contact: KEITH SCHULTE

kschulte@leprinofoods.com

T: (970)542-4247

F: (970)542-4241

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)