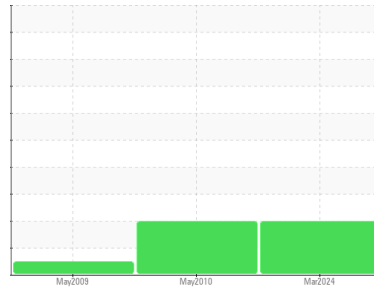




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
LINE 2 BACK END

Machine Id
ALVEY LOW SPEED PALLETIZER (S/N 01-EK41119)

Component
Tank Hydraulic System

Fluid
ROYAL PURPLE SYNDRAULIC 32 (70 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present 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		RP157809	RP041373	RP47345
Sample Date	Client Info		14 Mar 2024	22 May 2010	30 May 2009
Machine Age	yrs	Client Info	0	0	6700
Oil Age	yrs	Client Info	0	12480	0
Oil Changed	Client Info		N/A	Not Changd	Changed
Sample Status			ABNORMAL	ABNORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	0	<1	<1
Chromium	ppm	ASTM D5185m >20	<1	<1	<1
Nickel	ppm	ASTM D5185m >20	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >20	0	0	2
Lead	ppm	ASTM D5185m >20	0	1	2
Copper	ppm	ASTM D5185m >20	5	5	5
Tin	ppm	ASTM D5185m >20	<1	0	<1
Antimony	ppm	ASTM D5185m	---	2	3
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m	<1	<1	<1
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	<1	0	0
Magnesium	ppm	ASTM D5185m	1	1	0
Calcium	ppm	ASTM D5185m	152	193	160
Phosphorus	ppm	ASTM D5185m	664	696	659
Zinc	ppm	ASTM D5185m	820	830	858

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<1	2	3
Sodium	ppm	ASTM D5185m	<1	<1	0
Potassium	ppm	ASTM D5185m >20	0	1	0
Water	%	ASTM D6304 >0.05	0.003	0.022	0.023
ppm Water	ppm	ASTM D6304 >500	34	220	230

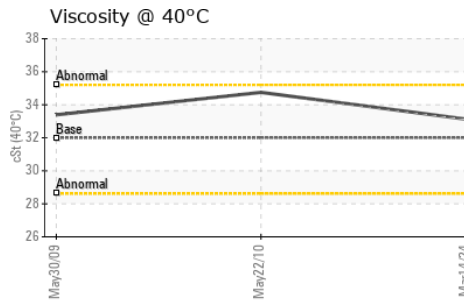
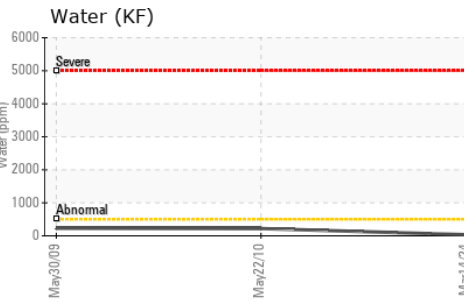
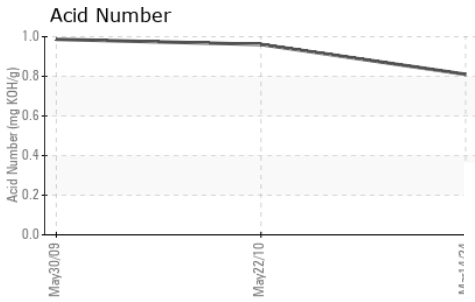
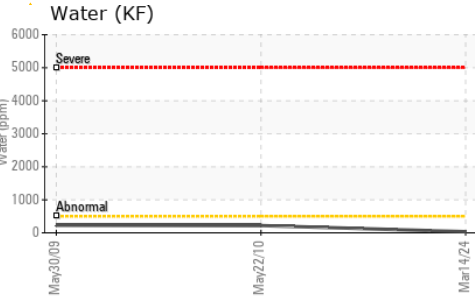
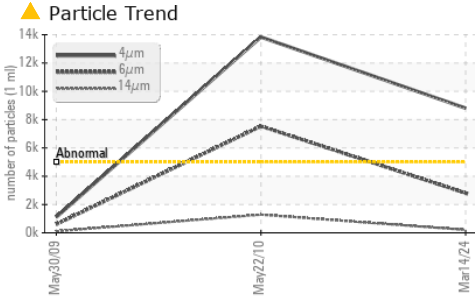
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 8809	13835	1111
Particles >6µm	ASTM D7647	>1300	▲ 2809	▲ 7537	605
Particles >14µm	ASTM D7647	>160	▲ 208	▲ 1284	103
Particles >21µm	ASTM D7647	>40	▲ 42	▲ 433	34
Particles >38µm	ASTM D7647	>10	0	▲ 66	5
Particles >71µm	ASTM D7647	>3	0	▲ 6	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 20/19/15	▲ 21/20/17	17/16/14

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.81	0.961	0.987

OIL ANALYSIS REPORT



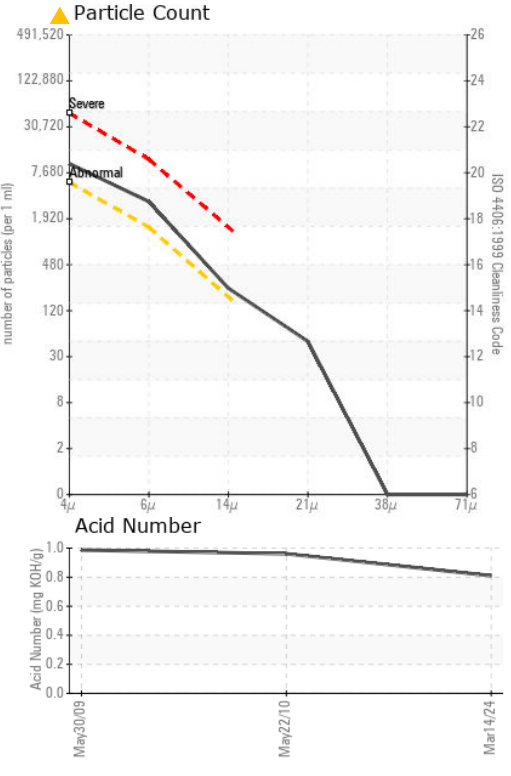
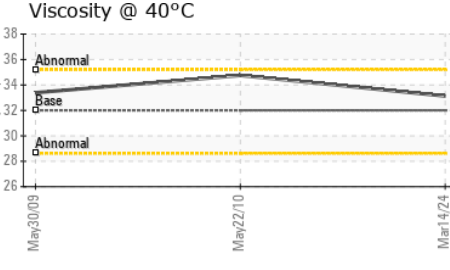
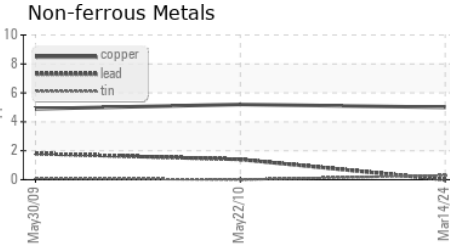
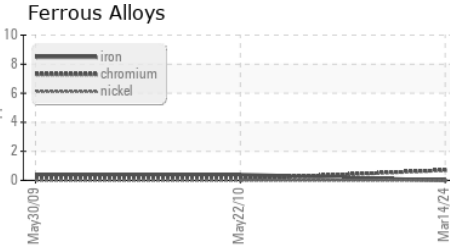
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

PARAMETER	method	limit/base	current	history1	history2
FLUID PROPERTIES					
Visc @ 40°C	cSt	ASTM D445	32.0	33.13	34.75

PARAMETER	method	limit/base	current	history1	history2
SAMPLE IMAGES					

Color		no image	no image
Bottom		no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP157809 **Received** : 20 Mar 2024
Lab Number : 06123617 **Tested** : 27 Mar 2024
Unique Number : 10937768 **Diagnosed** : 27 Mar 2024 - Jonathan Hester
Test Package : IND 2

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 815 WEST WHITNEY ROAD
 FAIRPORT, NY
 US 14450
 Contact: MIKE SCHNEIDER
 mschneider@lidestrifoods.com
 T: (585)388-4146
 F: (585)377-4681

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)