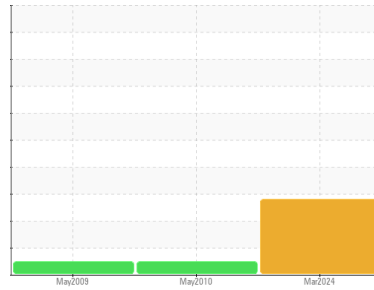




# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Area  
**LINE 1 BACK END**  
 Machine Id  
**ALVEY HIGH SPEED PALLETIZER (S/N 01K-70119)**  
 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

The copper level is abnormal. All other 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		<b>RP203126</b>	RP041377	RP47112
Sample Date	Client Info		<b>14 Mar 2024</b>	22 May 2010	30 May 2009
Machine Age	yrs	Client Info	<b>0</b>	0	6700
Oil Age	yrs	Client Info	<b>0</b>	12480	0
Oil Changed	Client Info		<b>N/A</b>	Not Changd	Changed
Sample Status			<b>ABNORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>0</b>	<1	<1
Chromium	ppm	ASTM D5185m >20	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m >20	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >20	<b>0</b>	0	2
Lead	ppm	ASTM D5185m >20	<b>0</b>	1	1
Copper	ppm	ASTM D5185m >20	<b>▲ 27</b>	2	<1
Tin	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	0
Antimony	ppm	ASTM D5185m	<b>---</b>	1	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	<1	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m	<b>0</b>	<1	0
Calcium	ppm	ASTM D5185m	<b>53</b>	166	161
Phosphorus	ppm	ASTM D5185m	<b>365</b>	723	608
Zinc	ppm	ASTM D5185m	<b>404</b>	851	859

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>&lt;1</b>	2	9
Sodium	ppm	ASTM D5185m	<b>1</b>	<1	0
Potassium	ppm	ASTM D5185m >20	<b>0</b>	0	2
Water	%	ASTM D6304 >0.05	<b>0.003</b>	0.019	0.025
ppm Water	ppm	ASTM D6304 >500	<b>40</b>	190	250

## FLUID CLEANLINESS

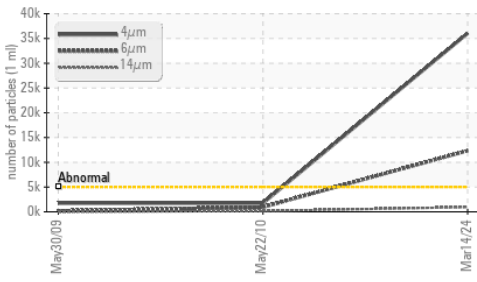
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>▲ 36033</b>	1751	1750
Particles >6µm	ASTM D7647	>1300	<b>▲ 12343</b>	954	183
Particles >14µm	ASTM D7647	>160	<b>▲ 949</b>	▲ 162	16
Particles >21µm	ASTM D7647	>40	<b>▲ 235</b>	▲ 54	5
Particles >38µm	ASTM D7647	>10	<b>10</b>	▲ 8	1
Particles >71µm	ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>▲ 22/21/17</b>	▲ 18/17/15	18/15/11

## FLUID DEGRADATION

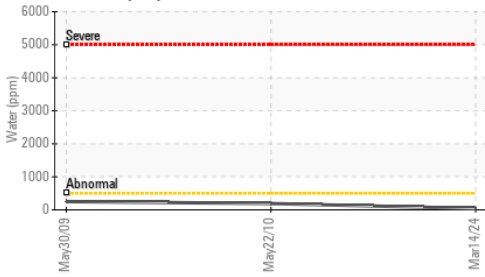
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.49</b>	1.41	1.21

# OIL ANALYSIS REPORT

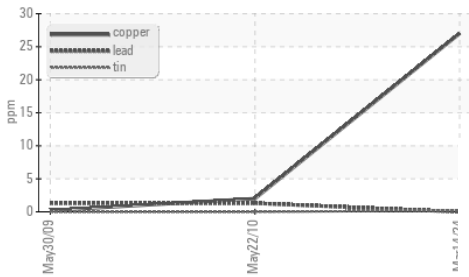
### ▲ Particle Trend



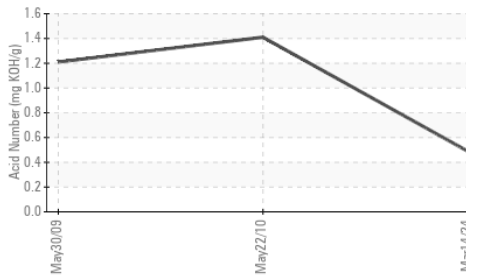
### Water (KF)



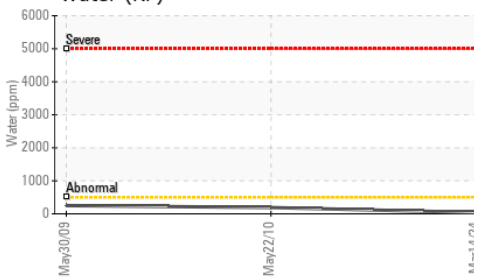
### ▲ Non-ferrous Metals



### Acid Number



### Water (KF)



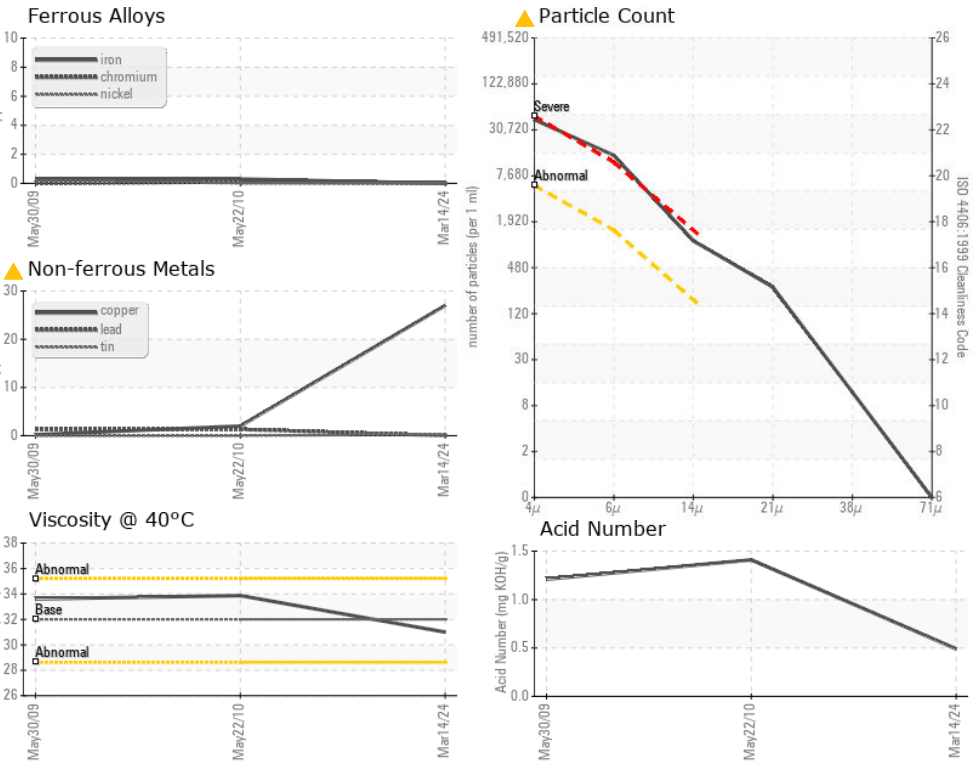
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32.0	31.00	33.87

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

Color		no image	no image
Bottom		no image	no image

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP203126 **Received** : 20 Mar 2024  
**Lab Number** : 06123616 **Tested** : 27 Mar 2024  
**Unique Number** : 10937767 **Diagnosed** : 27 Mar 2024 - Jonathan Hester  
**Test Package** : IND 2

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

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)