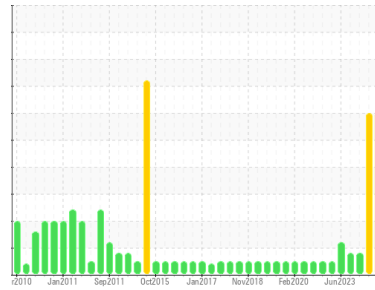




PROBLEM SUMMARY

Sample Rating Trend



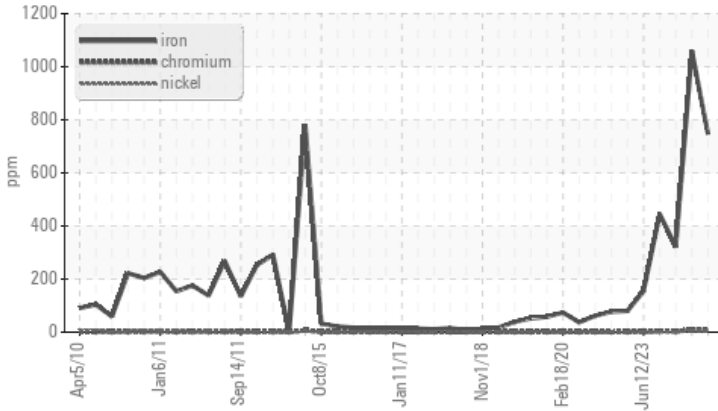
WEAR



Machine Id
FOOT-JONES G-626 SCREW PUMP 399583-1
 Component
East Speed Reducer
 Fluid
ROYAL PURPLE SYNERGY 90/150 (42 GAL)

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

We advise that you inspect for the source(s) of wear.
 We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	SEVERE	ABNORMAL
Iron	ppm	ASTM D5185m	>150	▲ 747	▲ 1059	▲ 322

Customer Id: LOWBEA
Sample No.: RP0026774
Lab Number: 06178858
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

WEAR



27 Mar 2024 Diag: Don Baldrige

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. Gear wear is indicated. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid.

[view report](#)



WEAR



04 Dec 2023 Diag: Jonathan Hester

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Gear wear is indicated. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

[view report](#)



WEAR



13 Sep 2023 Diag: Don Baldrige

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Gear wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

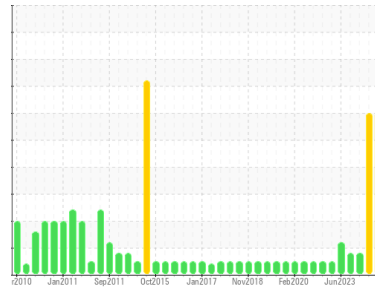
[view report](#)





OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
FOOT-JONES G-626 SCREW PUMP 399583-1
 Component
East Speed Reducer
 Fluid
ROYAL PURPLE SYNERGY 90/150 (42 GAL)

DIAGNOSIS

▲ Recommendation
 We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

▲ Wear
 The iron level has decreased, but is still severe. Gear wear is indicated.

Contamination
 There is no indication of any contamination in the oil.

Fluid Condition
 The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		RP0026774	RP0026776	RP0026773
Sample Date	Client Info		29 Apr 2024	27 Mar 2024	04 Dec 2023
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	8688	8016	6564
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			SEVERE	SEVERE	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >150	▲ 747	▲ 1059	▲ 322
Chromium	ppm	ASTM D5185m >10	7	9	3
Nickel	ppm	ASTM D5185m >10	4	5	1
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	5	8	2
Lead	ppm	ASTM D5185m >100	0	0	0
Copper	ppm	ASTM D5185m >50	2	3	<1
Tin	ppm	ASTM D5185m >10	0	<1	0
Vanadium	ppm	ASTM D5185m	<1	<1	0
Cadmium	ppm	ASTM D5185m	<1	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	2	2	0
Manganese	ppm	ASTM D5185m	7	13	4
Magnesium	ppm	ASTM D5185m	3	6	1
Calcium	ppm	ASTM D5185m	156	172	55
Phosphorus	ppm	ASTM D5185m 200	262	346	143
Zinc	ppm	ASTM D5185m	39	25	0

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	10	11	7
Sodium	ppm	ASTM D5185m	2	6	2
Potassium	ppm	ASTM D5185m >20	2	3	2
Water	%	ASTM D6304 >0.1	0.021	0.024	0.009
ppm Water	ppm	ASTM D6304 >1000	215	246	93

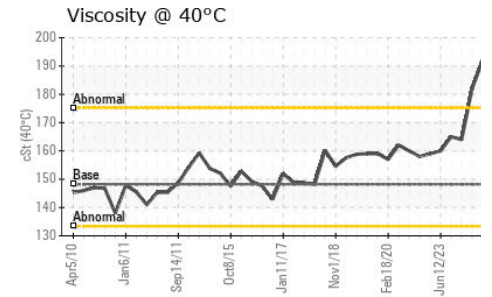
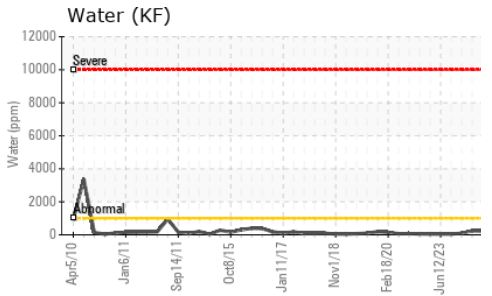
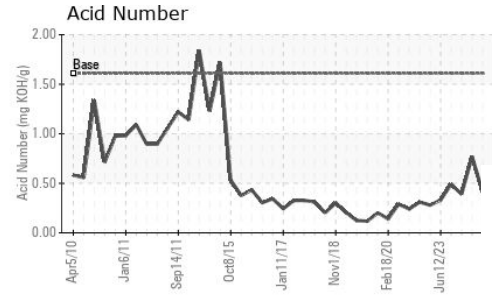
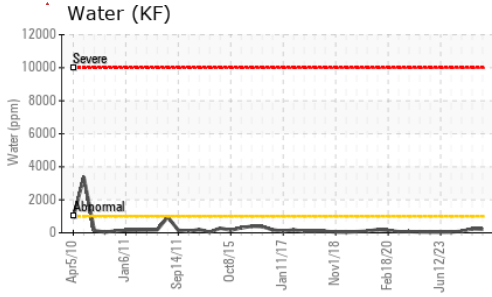
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 1.61	0.41	0.77	0.39

VISUAL

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

OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	148.2	192	182

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

Color

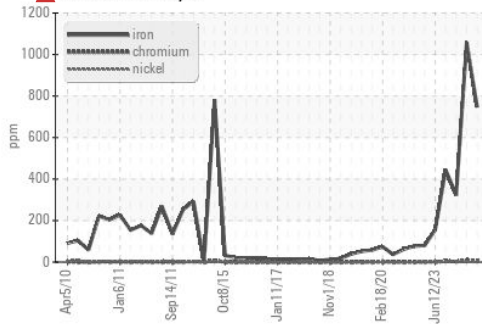


Bottom

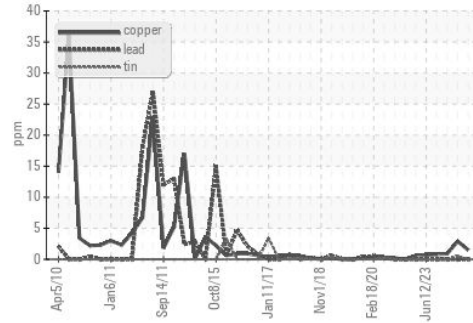


GRAPHS

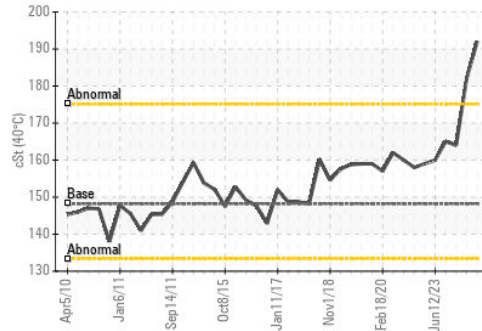
▲ Ferrous Alloys



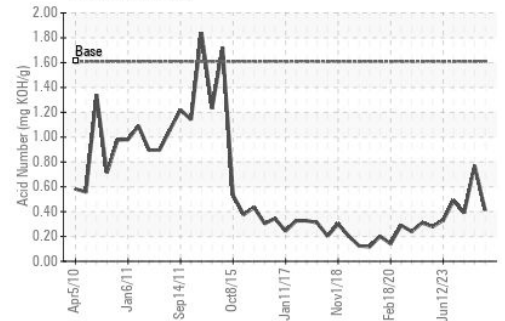
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0026774
Lab Number : 06178858
Unique Number : 11030184
Test Package : IND 2

Received : 14 May 2024
Tested : 17 May 2024
Diagnosed : 17 May 2024 - Don Baldrige

LOWER NECHES VALLEY AUTHORITY
 6790 BIGNER RD
 BEAUMONT, TX
 US 77708

Contact: CADE BARROW
 cade.barrow@lnva.dst.tx.us

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: (409)833-6446

F: (409)833-5462