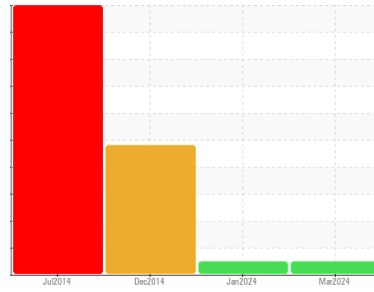




GREASE ANALYSIS

Sample Rating Trend



NORMAL



Machine Id
FL 402-139-00 IV (S/N 20608582)
 Component
Bottom Grease
 Fluid
ROYAL PURPLE THERMAX 680 GREASE (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Please submit a sample of the new (unused) oil to establish a baseline.

Wear

All component wear rates are normal.

Grease Condition

The condition of the grease is acceptable for the time in service.

Contaminants

There is no indication of any contamination in the grease.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0892368	RP0008388	RP158397
Sample Date	Client Info		25 Mar 2024	25 Jan 2024	15 Dec 2014
Machine Age	mths	Client Info	0	0	15
Grease Age	mths	Client Info	0	0	15
Grease Serviced	Client Info		N/A	N/A	Not Changd
Sample Status			NORMAL	NORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2	
PQ	ASTM D8184	>200	76	81	139	
Iron	ppm	ASTM D5185m	>250	95	158	▲ 1210
Chromium	ppm	ASTM D5185m	>10	1	1	4
Nickel	ppm	ASTM D5185m	>5	7	<1	0
Cadmium	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		9	4	▲ 44
Vanadium	ppm	ASTM D5185m		1	<1	0
Lead	ppm	ASTM D5185m	>25	8	17	▲ 47
Copper	ppm	ASTM D5185m	>75	12	4	4
Tin	ppm	ASTM D5185m	>5	<1	<1	0
Silver	ppm	ASTM D5185m	>5	0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		1	476	58
Magnesium	ppm	ASTM D5185m		6	1	516
Manganese	ppm	ASTM D5185m		2	2	5
Molybdenum	ppm	ASTM D5185m		5	3	32
Phosphorus	ppm	ASTM D5185m		477	247	266
Zinc	ppm	ASTM D5185m		704	211	1354
Antimony	ppm	ASTM D5185m		---	---	1784

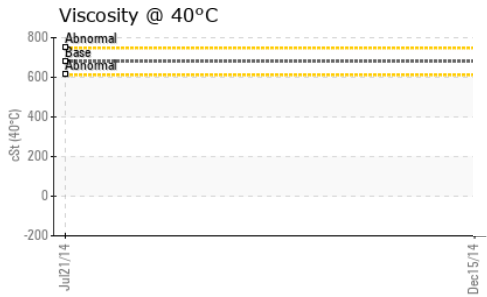
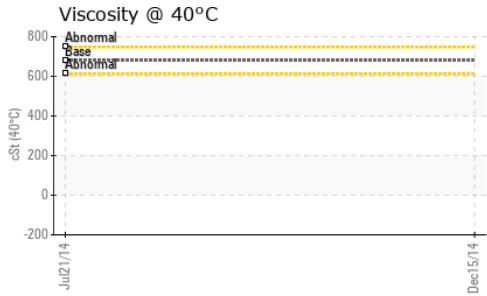
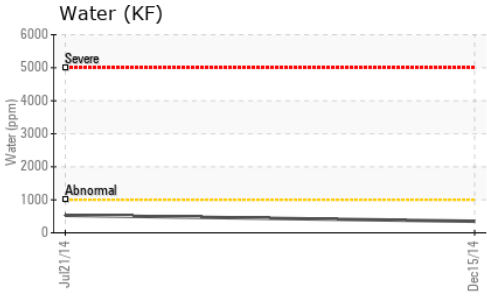
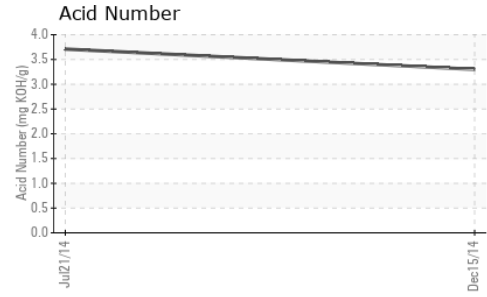
THICKENER/SOAP

	method	limit/base	current	history1	history2	
Aluminum	ppm	ASTM D5185m		7391	4663	▲ 11287
Barium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		70	51	578
Sodium	ppm	ASTM D5185m		19	33	47
Lithium	ppm	ASTM D5185m		---	13	---
Sulfur	ppm	ASTM D5185m		27501	13604	16804

CONTAMINANTS

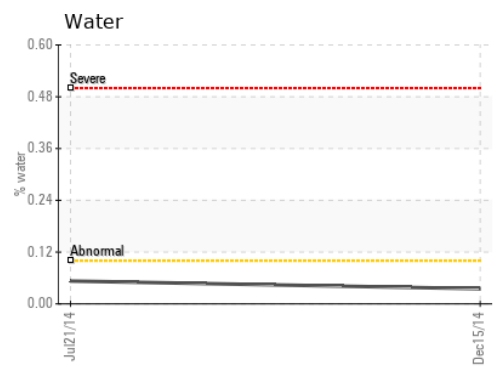
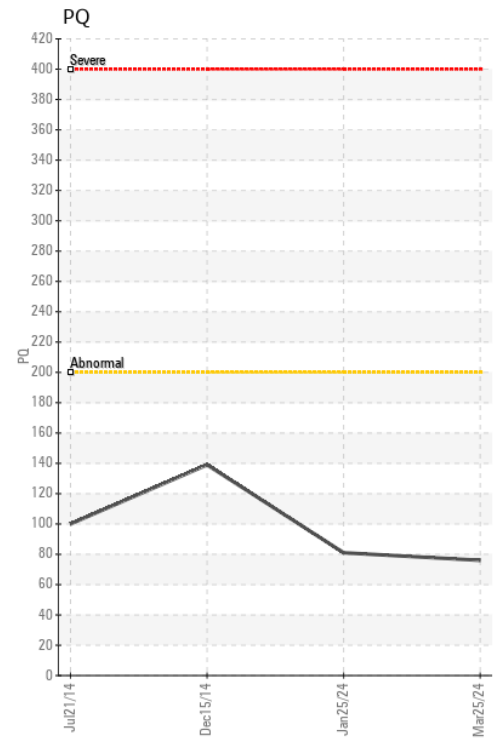
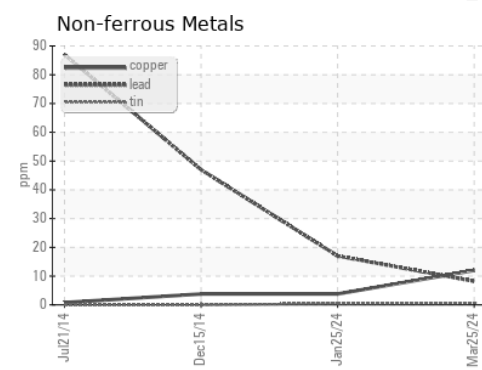
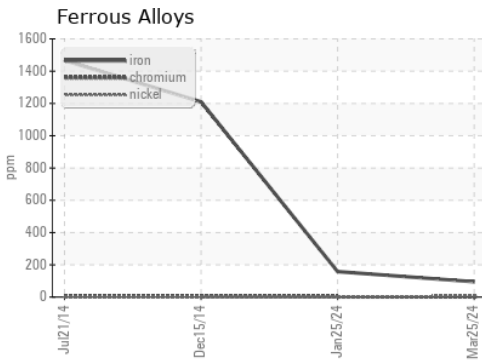
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>150	5198	5406	▲ 8246
Potassium	ppm	ASTM D5185m		2	3	32
Water	%	ASTM D6304	>0.1	NEG	NEG	0.035
ppm Water	ppm	ASTM D6304	>1000	---	---	350

GREASE ANALYSIS



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					no image
Bottom					no image
PrtFilter			no image	no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0892368 **Received** : 27 Mar 2024
Lab Number : 06131264 **Tested** : 15 Apr 2024
Unique Number : 10950729 **Diagnosed** : 15 Apr 2024 - Doug Bogart
Test Package : IND 2 (Additional Tests: KF, PQ)

INTERNATIONAL PAPER
 1785 Weyerhaeuser Road
 VANCEBORO, NC
 US 28586
 Contact: DOUG WEIR
 Doug.Weir@ipaper.com;jon.fazenbaker@wearcheck.com
 T: (252)633-7350
 F: (252)633-7761

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)