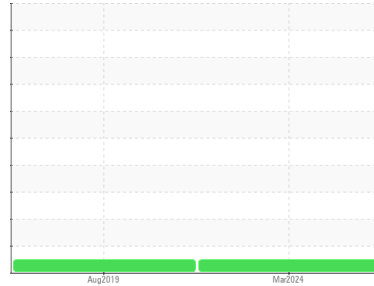




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
185XX010 - WEST PRIMARY - WASTE CLARIFIER
 Component
Gearbox
 Fluid
ROYAL PURPLE SYNERGY 90/220 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.
 NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination 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		WC0432495	RP0000504	---
Sample Date	Client Info		20 Mar 2024	13 Aug 2019	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			NORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	14	1	---
Chromium	ppm	ASTM D5185m >15	0	0	---
Nickel	ppm	ASTM D5185m >15	0	<1	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	1	0	---
Lead	ppm	ASTM D5185m >100	0	2	---
Copper	ppm	ASTM D5185m >200	<1	24	---
Tin	ppm	ASTM D5185m >25	0	0	---
Antimony	ppm	ASTM D5185m >5	---	<1	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	<1	0	---
Manganese	ppm	ASTM D5185m	0	<1	---
Magnesium	ppm	ASTM D5185m	2	28	---
Calcium	ppm	ASTM D5185m	6	2	---
Phosphorus	ppm	ASTM D5185m 370	247	3	---
Zinc	ppm	ASTM D5185m	1	13	---
Sulfur	ppm	ASTM D5185m	15519	16434	---

CONTAMINANTS

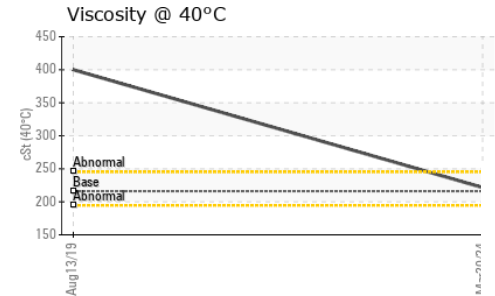
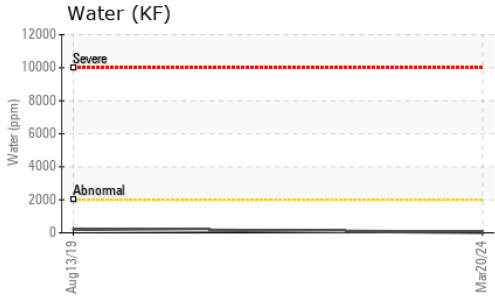
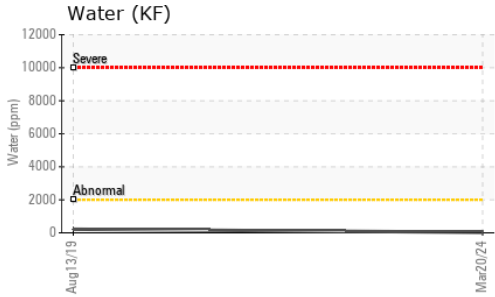
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	11	4	---
Sodium	ppm	ASTM D5185m	0	<1	---
Potassium	ppm	ASTM D5185m >20	1	<1	---
Water	%	ASTM D6304 >0.2	0.003	0.021	---
ppm Water	ppm	ASTM D6304 >2000	30	218.3	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 1.33	0.65	0.213	---



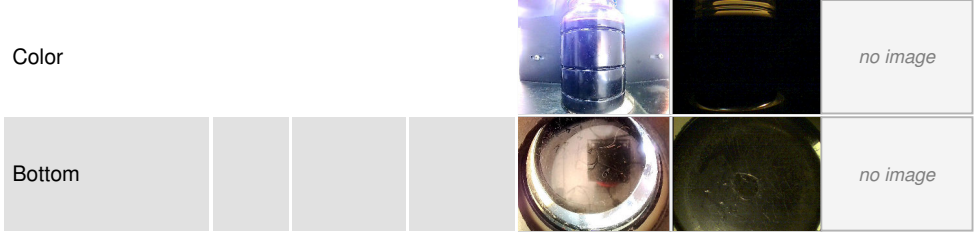
OIL ANALYSIS REPORT



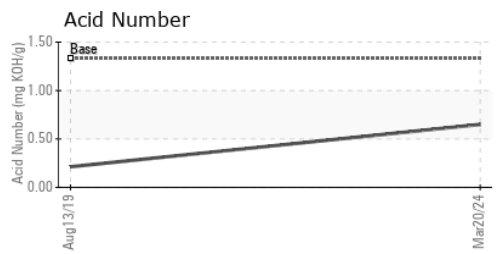
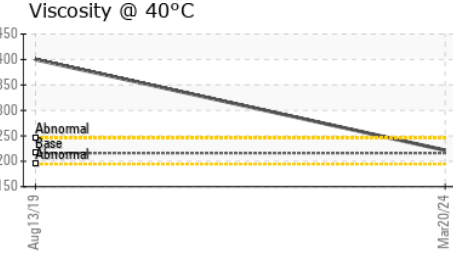
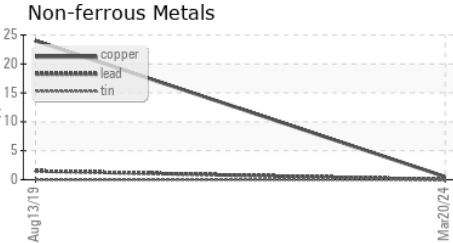
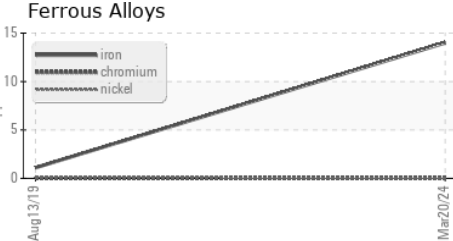
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	MODER	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	216.1	221.6	400

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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0432495 **Received** : 27 Mar 2024
Lab Number : **06130725** **Tested** : 03 Apr 2024
Unique Number : 10950190 **Diagnosed** : 03 Apr 2024 - Wes Davis
Test Package : IND 2 (Additional Tests: KF)

INTERNATIONAL PAPER
 1785 Weyerhaeuser Road
 VANCEBORO, NC
 US 28586
 Contact: DOUG WEIR

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)

Doug.Weir@paper.com;jon.fazenbaker@wearcheck.com
 T: (252)633-7350
 F: (252)633-7761