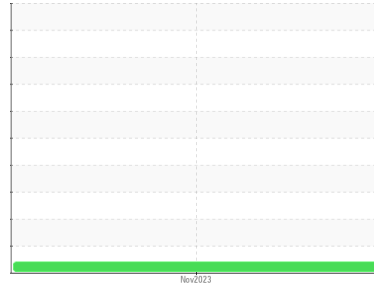


PROBLEM SUMMARY

Sample Rating Trend



VISCOSITY



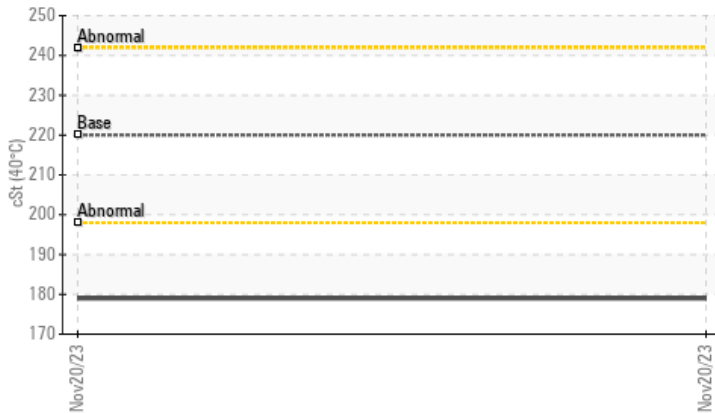
Machine Id
FALK WEST-SG

Component
Gearbox

Fluid
ROYAL PURPLE SYNFILM GT 220 (47 GAL)

COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



RECOMMENDATION

No corrective action is recommended at this time.
Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	---	---
Visc @ 40°C	cSt	ASTM D445	220	▲ 179	---	---

Customer Id: LOWBEASB
Sample No.: RP0033157
Lab Number: 06017461
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

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

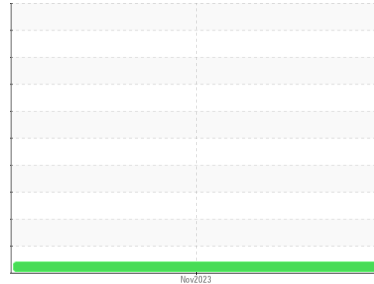
RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
FALK WEST-SG

Component

Gearbox

Fluid

ROYAL PURPLE SYNFILM GT 220 (47 GAL)

DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

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 oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		RP0033157	---	---
Sample Date	Client Info		20 Nov 2023	---	---
Machine Age	yrs	Client Info	21	---	---
Oil Age	yrs	Client Info	0	---	---
Oil Changed	Client Info		Not Changed	---	---
Sample Status			ATTENTION	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	27	---
Chromium	ppm	ASTM D5185m	>15	<1	---
Nickel	ppm	ASTM D5185m	>15	2	---
Titanium	ppm	ASTM D5185m		<1	---
Silver	ppm	ASTM D5185m		0	---
Aluminum	ppm	ASTM D5185m	>25	2	---
Lead	ppm	ASTM D5185m	>100	0	---
Copper	ppm	ASTM D5185m	>200	46	---
Tin	ppm	ASTM D5185m	>25	0	---
Vanadium	ppm	ASTM D5185m		0	---
Cadmium	ppm	ASTM D5185m		<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	---
Barium	ppm	ASTM D5185m		0	---
Molybdenum	ppm	ASTM D5185m		<1	---
Manganese	ppm	ASTM D5185m		0	---
Magnesium	ppm	ASTM D5185m		3	---
Calcium	ppm	ASTM D5185m		<1	---
Phosphorus	ppm	ASTM D5185m		28	---
Zinc	ppm	ASTM D5185m		0	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	---
Sodium	ppm	ASTM D5185m		0	---
Potassium	ppm	ASTM D5185m	>20	<1	---
Water	%	ASTM D6304	>0.2	0.013	---
ppm Water	ppm	ASTM D6304	>2000	139	---

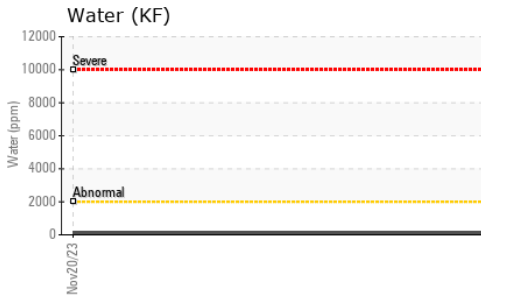
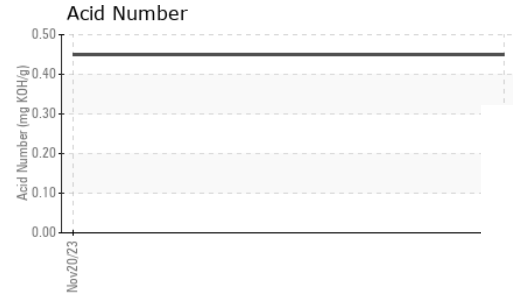
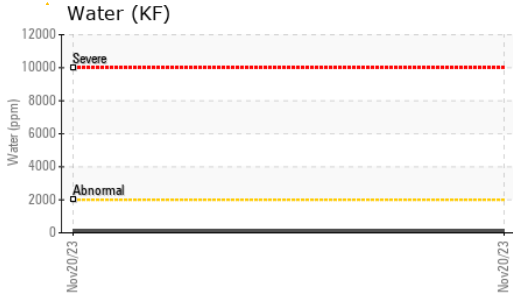
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.45	---

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	NONE	---
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	---

OIL ANALYSIS REPORT

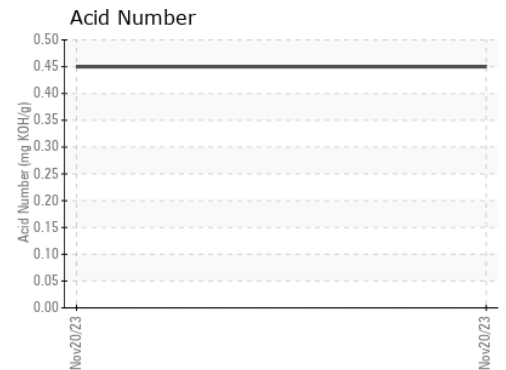
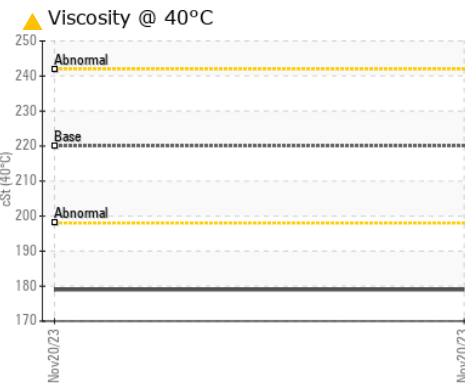
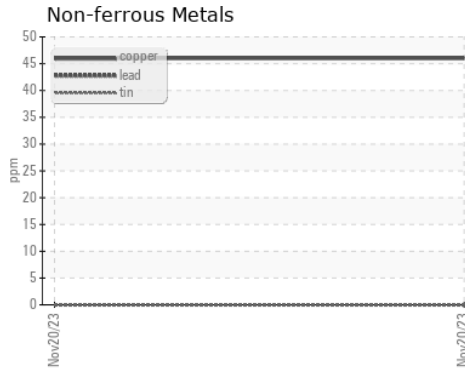
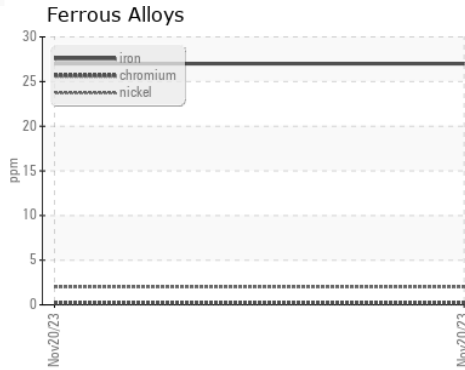


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 220	▲ 179	---	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0033157 **Received** : 24 Nov 2023
Lab Number : 06017461 **Diagnosed** : 01 Dec 2023
Unique Number : 10756605 **Diagnostician** : Jonathan Hester
Test Package : IND 2

LOWER NECHES VALLEY AUTHORITY SALTWATER BARRIER
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 F: (409)833-5462

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)