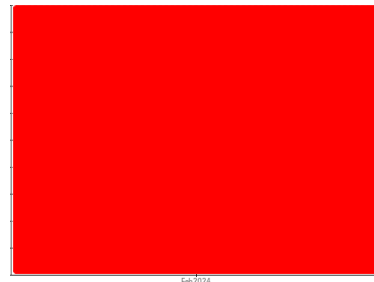


PROBLEM SUMMARY

Sample Rating Trend



WEAR



Machine Id

LETORNEAU 115 - TILT

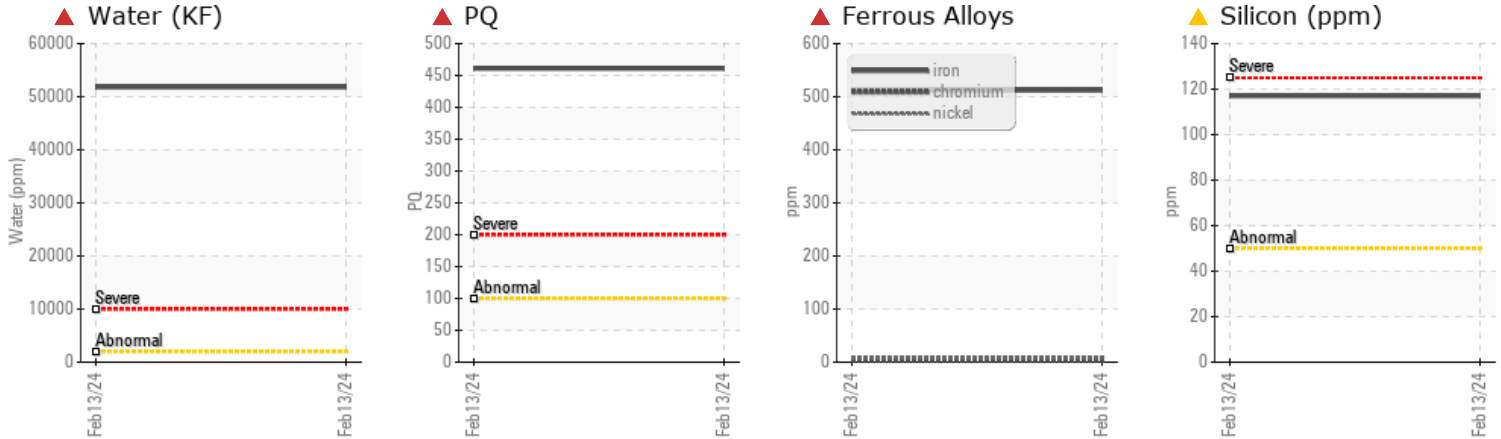
Component

Gearbox

Fluid

SCHAEFFER 209 MOLY UNIVERSAL GEARLUBE SAE 140 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Check seals and/or filters for points of contaminant entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status	ASTM	Value	SEVERE	---	---
PQ	ASTM D8184		▲ 461	---	---
Iron	ppm ASTM D5185m	>200	▲ 512	---	---
Silicon	ppm ASTM D5185m	>50	▲ 117	---	---
Water	% ASTM D6304	>0.2	▲ 5.18	---	---
ppm Water	ppm ASTM D6304	>2000	▲ 51800	---	---
Debris	scalar *Visual	NONE	▲ MODER	---	---
Emulsified Water	scalar *Visual	>0.2	▲ 0.2%	---	---

Customer Id: ALTAMA
 Sample No.: PE0002370
 Lab Number: 06138440
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Angela Borella +1 800-237-1369
angela.borella@wearcheckusa.com

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

RECOMMENDED ACTIONS

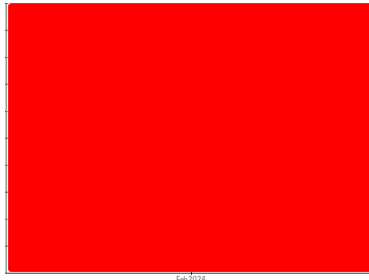
Action	Status	Date	Done By	Description
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Seals	---	---	?	Check seals and/or filters for points of contaminant entry.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id

LETORNEAU 115 - TILT

Component

Gearbox

Fluid

SCHAEFFER 209 MOLY UNIVERSAL GEARLUBE SAE 140 (--- GAL)

DIAGNOSIS

▲ Recommendation

Check seals and/or filters for points of contaminant entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

▲ Wear

Gear wear is indicated.

▲ Contamination

Appearance is milky. Elemental level of silicon (Si) above normal. There is a high concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PE0002370	---	---
Sample Date	Client Info		13 Feb 2024	---	---
Machine Age	yrs	Client Info	0	---	---
Oil Age	yrs	Client Info	1	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			SEVERE	---	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		▲ 461	---	---
Iron	ppm	ASTM D5185m >200	▲ 512	---	---
Chromium	ppm	ASTM D5185m >15	4	---	---
Nickel	ppm	ASTM D5185m >15	7	---	---
Titanium	ppm	ASTM D5185m	4	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	7	---	---
Lead	ppm	ASTM D5185m >100	1	---	---
Copper	ppm	ASTM D5185m >200	7	---	---
Tin	ppm	ASTM D5185m >25	2	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	<1	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	17	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	3	---	---
Manganese	ppm	ASTM D5185m	5	---	---
Magnesium	ppm	ASTM D5185m	13	---	---
Calcium	ppm	ASTM D5185m	76	---	---
Phosphorus	ppm	ASTM D5185m	416	---	---
Zinc	ppm	ASTM D5185m	18	---	---
Sulfur	ppm	ASTM D5185m	19474	---	---

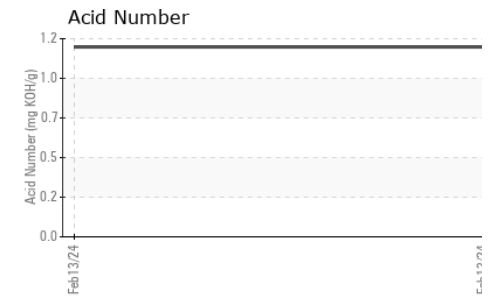
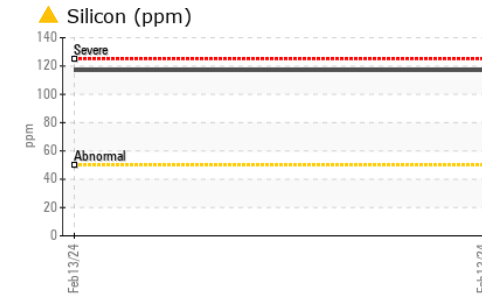
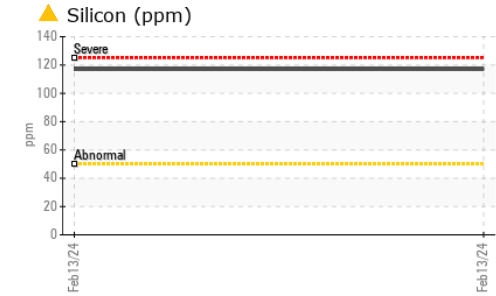
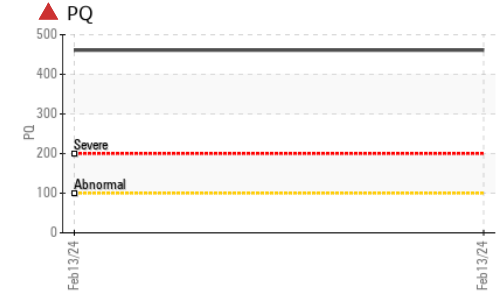
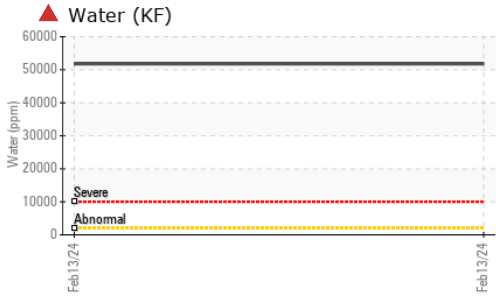
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	▲ 117	---	---
Sodium	ppm	ASTM D5185m	11	---	---
Potassium	ppm	ASTM D5185m >20	2	---	---
Water	%	ASTM D6304 >0.2	▲ 5.18	---	---
ppm Water	ppm	ASTM D6304 >2000	▲ 51800	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.15	---	---

OIL ANALYSIS REPORT



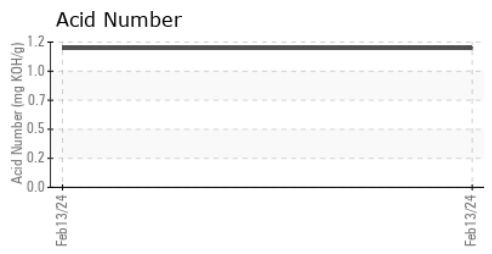
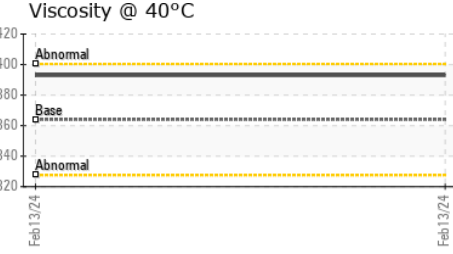
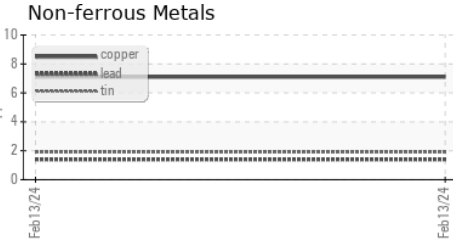
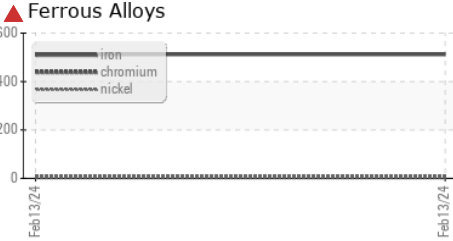
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	▲ MODER	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	364	393	---	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0002370 **Received** : 04 Apr 2024
Lab Number : 06138440 **Tested** : 09 Apr 2024
Unique Number : 10963248 **Diagnosed** : 09 Apr 2024 - Angela Borella
Test Package : CONST (Additional Tests: ICP, KF, KV40, PQ, PrtCount, SCREEN)

ALTA FOREST PRODUCTS
 7127 US HWY 101
 AMANDA PARK, WA
 US 98526
 Contact: ROGER TJEPKEMA
 Rogertjepkema@altafp.com

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)