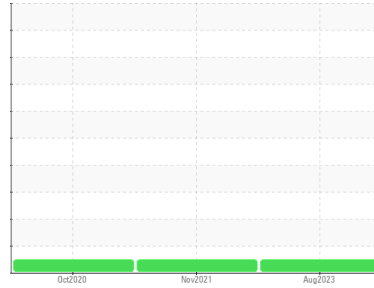


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
24A
Machine Id
[24A] 24A PGE Gearbox
Component
Circulating System
Fluid
MOBIL SHC 630 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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		PCA0076283	PCA0049847	PCA0024762
Sample Date	Client Info		15 Aug 2023	04 Nov 2021	22 Oct 2020
Machine Age	hrs	Client Info	8760	0	0
Oil Age	hrs	Client Info	8760	0	0
Oil Changed	Client Info		Oil Added	N/A	Changed
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	52	310	148
Chromium	ppm	ASTM D5185m	0	<1	<1
Nickel	ppm	ASTM D5185m	0	<1	0
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m	<1	<1	0
Aluminum	ppm	ASTM D5185m	0	<1	0
Lead	ppm	ASTM D5185m	0	1	<1
Copper	ppm	ASTM D5185m	1	2	2
Tin	ppm	ASTM D5185m	<1	<1	<1
Antimony	ppm	ASTM D5185m	---	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	58	31	25
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	<1	0	<1
Calcium	ppm	ASTM D5185m	2	4	5
Phosphorus	ppm	ASTM D5185m	272	349	323
Zinc	ppm	ASTM D5185m	0	14	19
Sulfur	ppm	ASTM D5185m	7682	9310	9241

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	3	0	2
Sodium	ppm	ASTM D5185m	2	<1	0
Potassium	ppm	ASTM D5185m >20	0	<1	<1

FLUID DEGRADATION

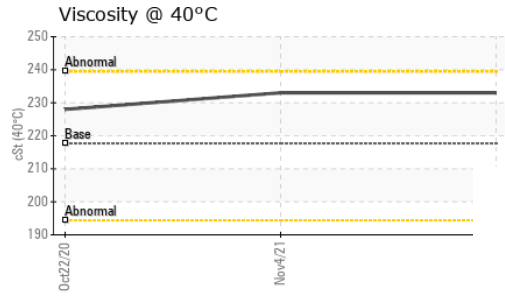
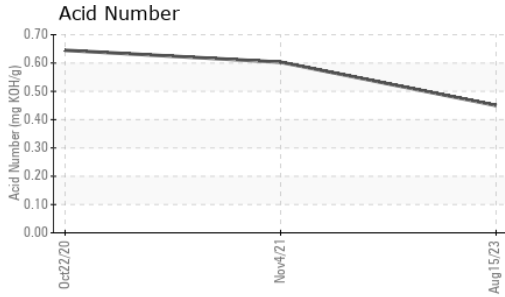
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.45	0.603	0.645

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	LIGHT	LIGHT
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	LIGHT	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	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

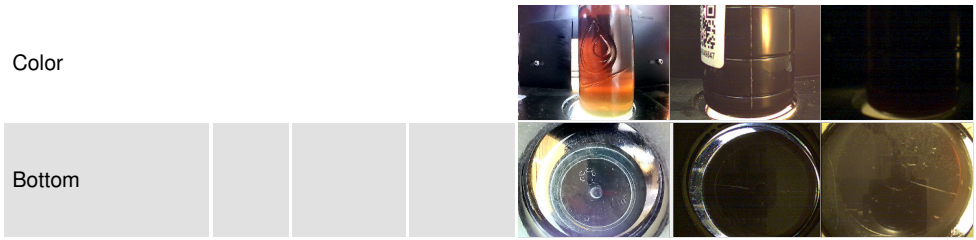


OIL ANALYSIS REPORT

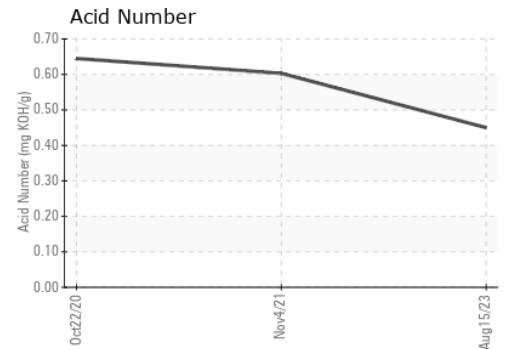
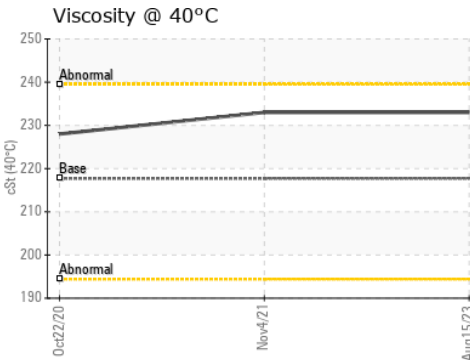
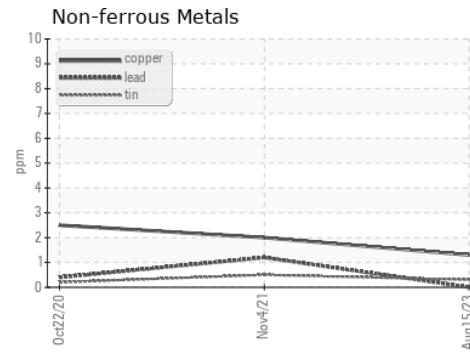
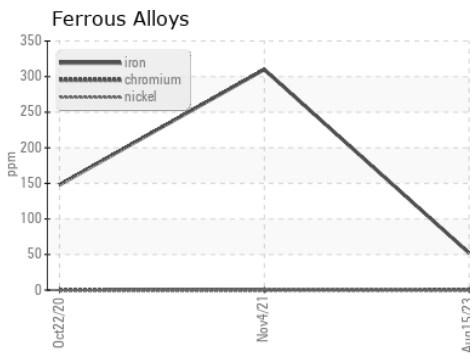


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	217.7	233	228

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0076283 **Received** : 22 Aug 2023
Lab Number : 05931643 **Diagnosed** : 25 Aug 2023
Unique Number : 10616914 **Diagnostician** : Jonathan Hester
Test Package : PLANT

ACHILLES USA INC
 1407 80TH STREET SW
 EVERETT, WA
 US 98203
 Contact: TONY DEHLER
 tdehler@achillesusa.com
 T: (425)438-4681
 F:

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)