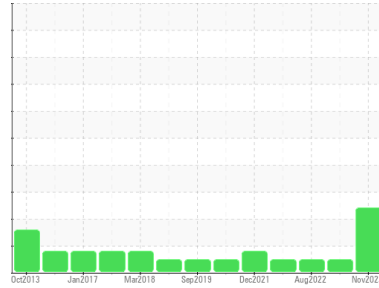


OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
Line 2
 Machine Id
[Line 2] L2 PACTEC 2 L2 PACTEC 2
 Component
Gearbox
 Fluid
10059-974 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

The aluminum level is abnormal.

Contamination

Appearance is milky. There is a high amount of visible silt present in the sample.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0089763	PCA0078626	PCA0075465
Sample Date	Client Info	26 Nov 2023	01 Sep 2022	27 Aug 2022
Machine Age	hrs	0	0	0
Oil Age	hrs	3000	0	0
Oil Changed	Client Info	Changed	Not Chngd	N/A
Sample Status		ABNORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	14	11	18
Iron	ppm ASTM D5185m >200	18	9	9
Chromium	ppm ASTM D5185m >15	<1	0	0
Nickel	ppm ASTM D5185m >15	<1	0	0
Titanium	ppm ASTM D5185m	<1	<1	<1
Silver	ppm ASTM D5185m	0	0	<1
Aluminum	ppm ASTM D5185m >25	▲ 78	17	16
Lead	ppm ASTM D5185m >100	0	0	0
Copper	ppm ASTM D5185m >200	3	<1	<1
Tin	ppm ASTM D5185m >25	<1	0	0
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	0	<1	<1
Barium	ppm ASTM D5185m	0	0	<1
Molybdenum	ppm ASTM D5185m	<1	0	0
Manganese	ppm ASTM D5185m	0	<1	<1
Magnesium	ppm ASTM D5185m	2	0	0
Calcium	ppm ASTM D5185m	965	26	21
Phosphorus	ppm ASTM D5185m	496	417	431
Zinc	ppm ASTM D5185m	399	103	101
Sulfur	ppm ASTM D5185m	1610	921	927

CONTAMINANTS

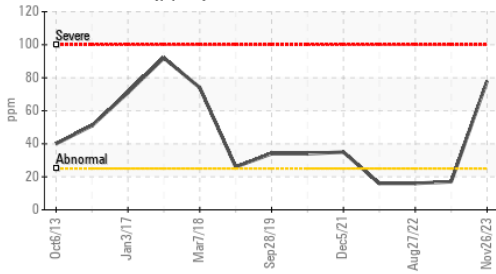
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	19	4	3
Sodium	ppm ASTM D5185m	1	0	<1
Potassium	ppm ASTM D5185m >20	1	0	0

FLUID DEGRADATION

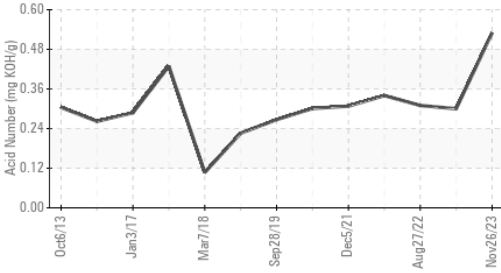
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.53	0.30	0.31

OIL ANALYSIS REPORT

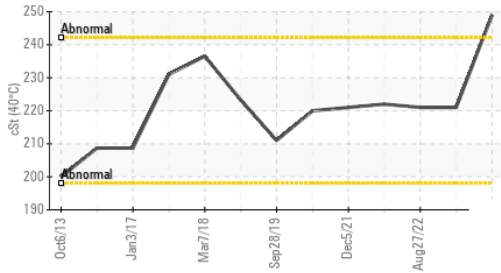
▲ Aluminum (ppm)



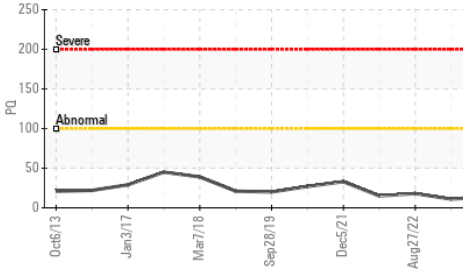
Acid Number



Viscosity @ 40°C



PQ

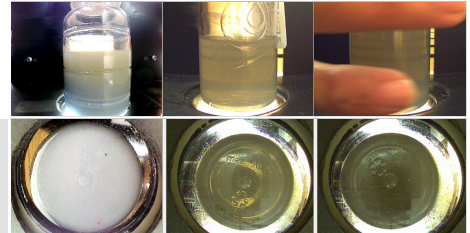


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	▲ HEAVY	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	249	221	221

SAMPLE IMAGES	method	limit/base	current	history1	history2
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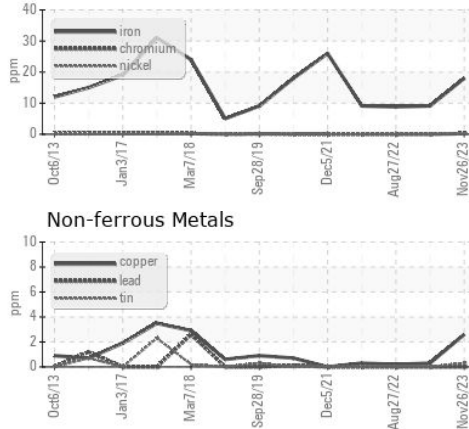
Color



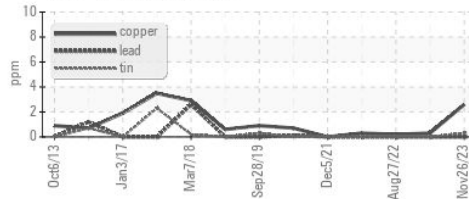
Bottom

GRAPHS

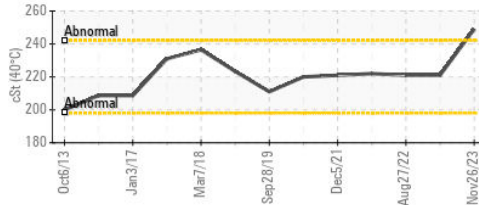
Ferrous Alloys



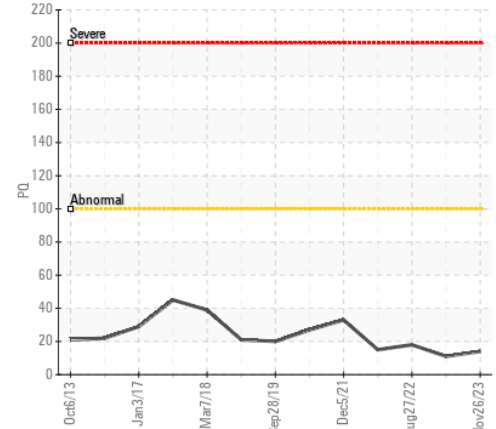
Non-ferrous Metals



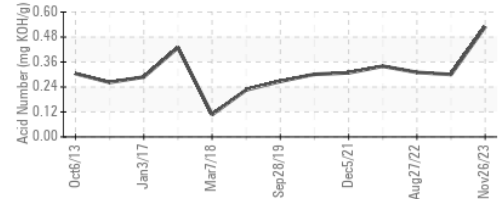
Viscosity @ 40°C



PQ



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0089763 **Received** : 18 Dec 2023
Lab Number : 06038713 **Diagnosed** : 20 Dec 2023
Unique Number : 10793942 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: PQ)

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)

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