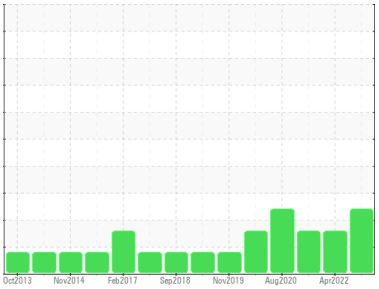
OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Area
LINE 6 [908102981]
Machine Id
[LINE 6] L6 WRAPPER 2 L6 WRAPPER 2
Component
Gearbox
Fluid
NOT GIVEN (--- QTS)

DIAGNOSIS

▲ Recommendation
No corrective action is recommended at this time. 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 suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PCA0106463**	PCA0058856	PCA0056245
Sample Date		Client Info		**12 Dec 2023**	07 Apr 2022	28 Sep 2021
Machine Age	hrs	Client Info		**0**	0	0
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL

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		**11**	40	44
Iron	ppm	ASTM D5185m	>200	**43**	40	39
Chromium	ppm	ASTM D5185m	>15	**1**	1	1
Nickel	ppm	ASTM D5185m	>15	**<1**	<1	0
Titanium	ppm	ASTM D5185m		**<1**	<1	<1
Silver	ppm	ASTM D5185m		**0**	<1	<1
Aluminum	ppm	ASTM D5185m	>25	▲ **283**	▲ 223	▲ 231
Lead	ppm	ASTM D5185m	>100	**<1**	1	<1
Copper	ppm	ASTM D5185m	>200	**7**	7	8
Tin	ppm	ASTM D5185m	>25	**<1**	1	1
Antimony	ppm	ASTM D5185m	>5	**---**	---	0
Vanadium	ppm	ASTM D5185m		**0**	<1	0
Cadmium	ppm	ASTM D5185m		**0**	0	<1

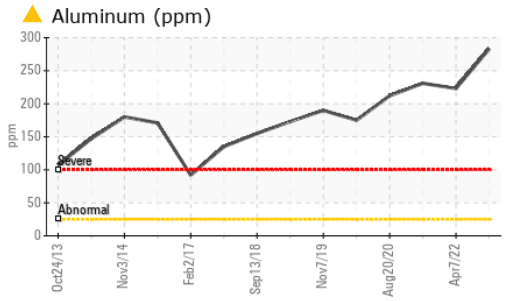
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	<1	1
Barium	ppm	ASTM D5185m		**11**	12	15
Molybdenum	ppm	ASTM D5185m		**<1**	<1	<1
Manganese	ppm	ASTM D5185m		**<1**	<1	<1
Magnesium	ppm	ASTM D5185m		**8**	9	8
Calcium	ppm	ASTM D5185m		**4062**	3811	3720
Phosphorus	ppm	ASTM D5185m		**560**	545	540
Zinc	ppm	ASTM D5185m		**1689**	1506	1456
Sulfur	ppm	ASTM D5185m		**1786**	1245	1277

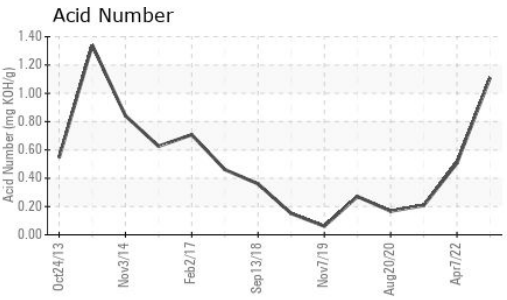
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**32**	20	22
Sodium	ppm	ASTM D5185m		**4**	5	6
Potassium	ppm	ASTM D5185m	>20	**3**	0	0

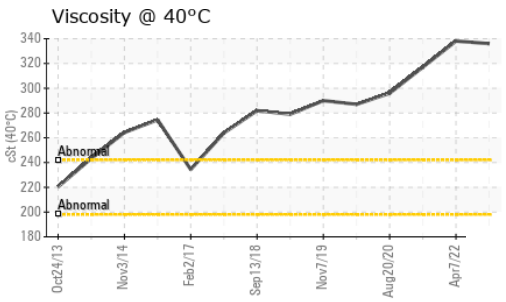
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**1.11**	0.507	0.208

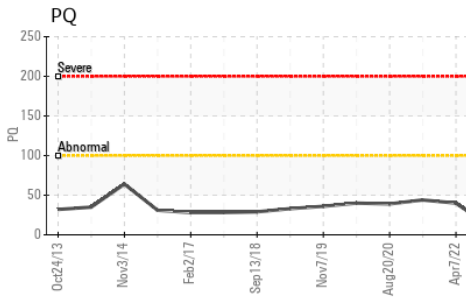
OIL ANALYSIS REPORT

OIL DIAGNOSTICS



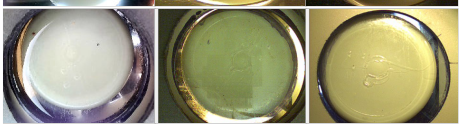




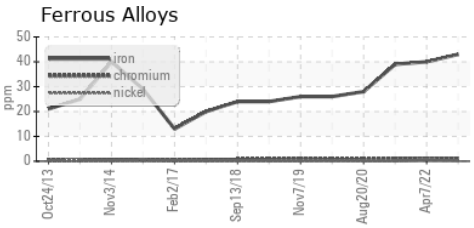


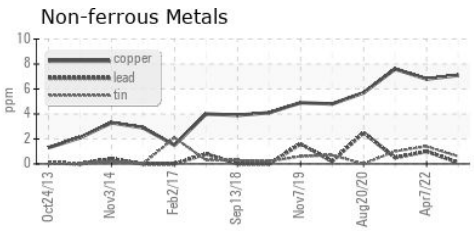
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	▲ **HEAVY**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt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

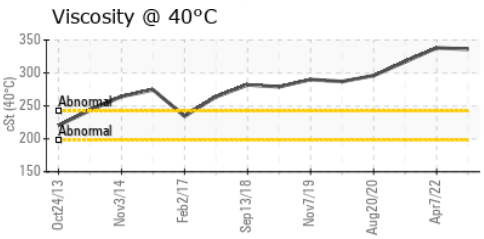
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**336**	338.1	317

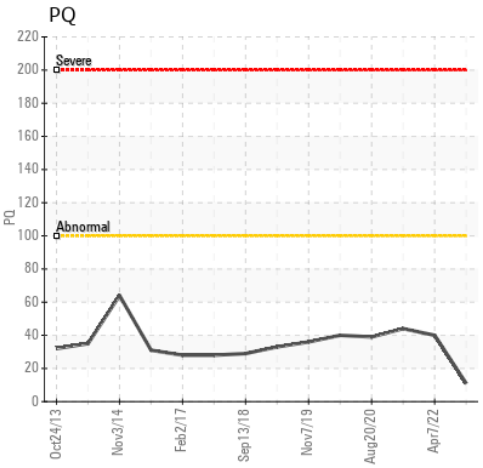
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

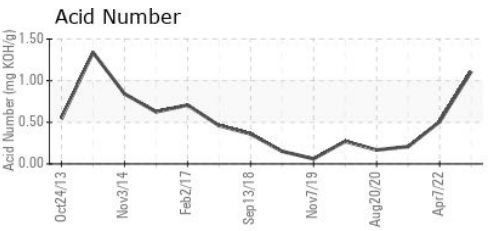
GRAPHS











Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0106463 **Recieved** : 18 Dec 2023
Lab Number : 06038719 **Diagnosed** : 20 Dec 2023
Unique Number : 10793948 **Diagnostician** : Don Baldridge
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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