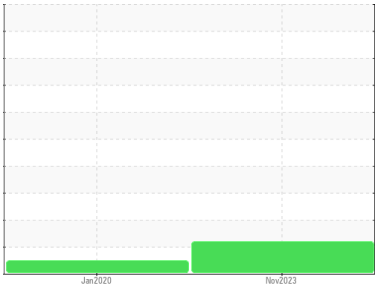
PROBLEM SUMMARY

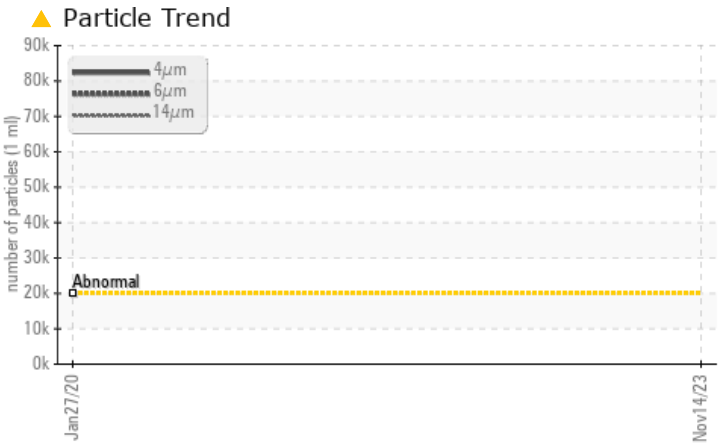
Sample Rating Trend



ISO

Machine Id
100 IN MILL
Component
Gearbox
Fluid
GEAR OIL ISO 220 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	NORMAL	---
Particles >4µm		ASTM D7647	>20000	▲ **80841**	---	---
Particles >6µm		ASTM D7647	>5000	▲ **5555**	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ **24/20/11**	---	---

Customer Id: PARCAMPA
Sample No.: WC0736339
Lab Number: 06009074
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

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

27 Jan 2020 Diag: Don Baldridge

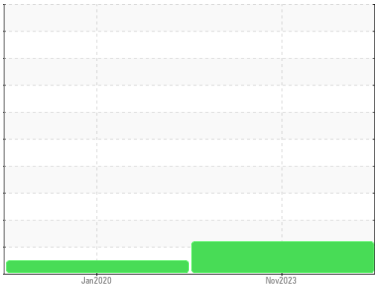
NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Machine Id
100 IN MILL
Component
Gearbox
Fluid
GEAR OIL ISO 220 (--- 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
There is a high amount of silt (particulates < 14 microns in size) present 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		**WC0736339**	WC0430813	---
Sample Date		Client Info		**14 Nov 2023**	27 Jan 2020	---
Machine Age	yrs	Client Info		**0**	0	---
Oil Age	yrs	Client Info		**0**	8	---
Oil Changed		Client Info		**N/A**	Not Changd	---
Sample Status				**ABNORMAL**	NORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	**12**	10	---
Chromium	ppm	ASTM D5185m	>15	**0**	<1	---
Nickel	ppm	ASTM D5185m	>15	**0**	<1	---
Titanium	ppm	ASTM D5185m		**0**	0	---
Silver	ppm	ASTM D5185m		**0**	1	---
Aluminum	ppm	ASTM D5185m	>25	**1**	0	---
Lead	ppm	ASTM D5185m	>100	**2**	<1	---
Copper	ppm	ASTM D5185m	>200	**1**	<1	---
Tin	ppm	ASTM D5185m	>25	**0**	0	---
Antimony	ppm	ASTM D5185m	>5	**---**	0	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
Cadmium	ppm	ASTM D5185m		**0**	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	**14**	14	---
Barium	ppm	ASTM D5185m	15	**6**	0	---
Molybdenum	ppm	ASTM D5185m	15	**0**	0	---
Manganese	ppm	ASTM D5185m		**0**	<1	---
Magnesium	ppm	ASTM D5185m	50	**0**	<1	---
Calcium	ppm	ASTM D5185m	50	**3**	<1	---
Phosphorus	ppm	ASTM D5185m	350	**240**	157	---
Zinc	ppm	ASTM D5185m	100	**4**	4	---
Sulfur	ppm	ASTM D5185m	12500	**20788**	12046	---

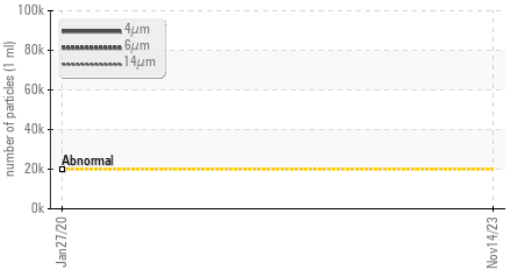
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**1**	1	---
Sodium	ppm	ASTM D5185m		**0**	<1	---
Potassium	ppm	ASTM D5185m	>20	**<1**	5	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	▲ **80841**	---	---
Particles >6µm		ASTM D7647	>5000	▲ **5555**	---	---
Particles >14µm		ASTM D7647	>640	**20**	---	---
Particles >21µm		ASTM D7647	>160	**4**	---	---
Particles >38µm		ASTM D7647	>40	**0**	---	---
Particles >71µm		ASTM D7647	>10	**0**	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ **24/20/11**	---	---

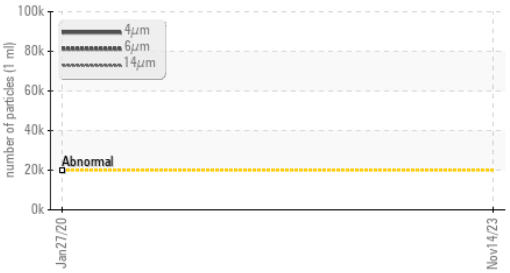
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	**0.39**	0.447	---

OIL ANALYSIS REPORT

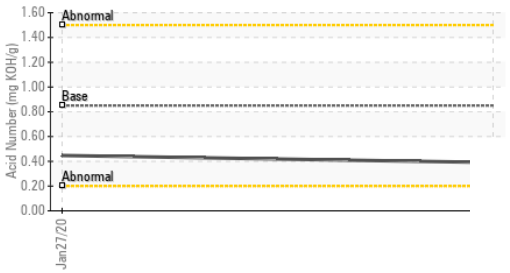
Particle Trend



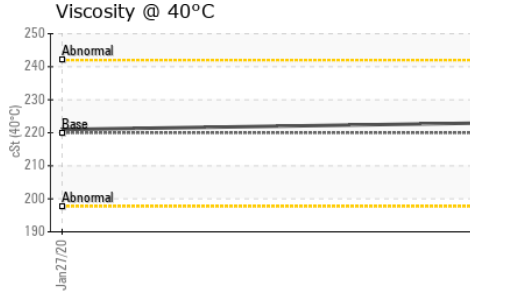
Particle Trend



Acid Number

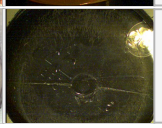


Viscosity @ 40°C



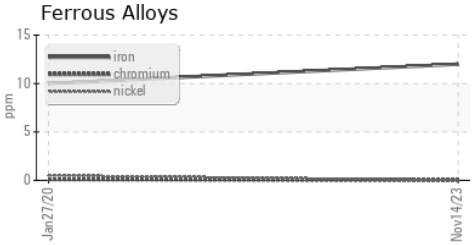
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**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	220	**223**	221	---

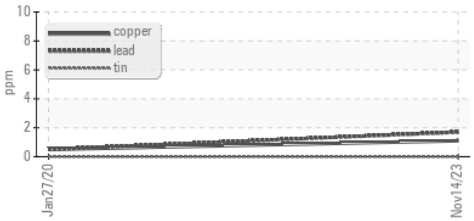
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					*no image*
Bottom					*no image*

GRAPHS

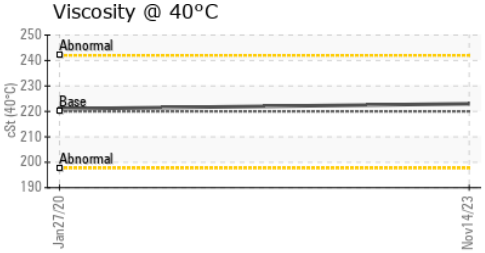
Ferrous Alloys



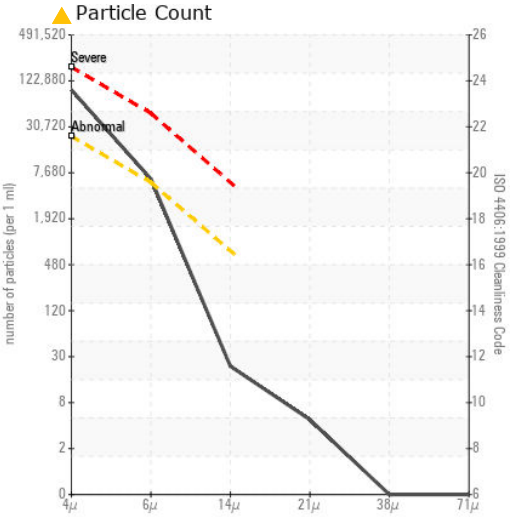
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0736339 **Received** : 15 Nov 2023
Lab Number : 06009074 **Diagnosed** : 19 Nov 2023
Unique Number : 10742836 **Diagnostician** : Don Baldridge
Test Package : IND 2 (Additional Tests: PrtCount)

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)

PARKER LORD
124 GRANT ST
CAMBRIDGE SPRINGS, PA
US 16403
Contact: MARC JOHNS
marc_johns@lord.com
T: (814)398-4641
F: