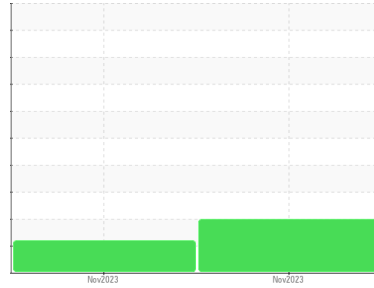




PROBLEM SUMMARY

Sample Rating Trend



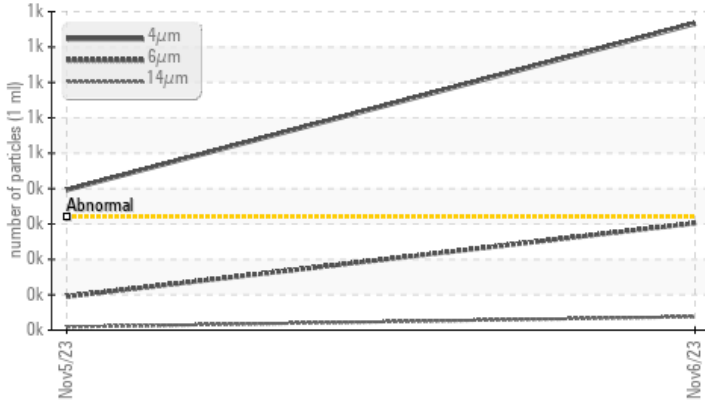
ISO



Machine Id
BATGPB-1 (S/N 94-512)
 Component
Hydraulic Power Pack
 Fluid
NOCO NOCOLUBE AW 68 (165 GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

No corrective action is recommended at this time. The filtering at the time of sampling has been noted. Resample at the next service interval to monitor. Please note that this is a corrected copy. (Customer Sample Comment: After 6 hours of kidney filtration.)

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ATTENTION	---
Particles >4µm	ASTM D7647	>320	▲ 866	▲ 396	---
Particles >6µm	ASTM D7647	>80	▲ 302	▲ 95	---
Particles >14µm	ASTM D7647	>10	▲ 38	9	---
Particles >21µm	ASTM D7647	>3	▲ 11	2	---
Oil Cleanliness	ISO 4406 (c)	>15/13/10	▲ 17/15/12	▲ 16/14/10	---

Customer Id: WESCONSC
 Sample No.: WC0782768
 Lab Number: 06008307
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@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
Alert	---	---	?	Please note that this is a corrected copy.

HISTORICAL DIAGNOSIS

05 Nov 2023 Diag: Doug Bogart

ISO



No corrective action is recommended at this time. Resample at the next service interval to monitor. Please note that this is a corrected copy. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

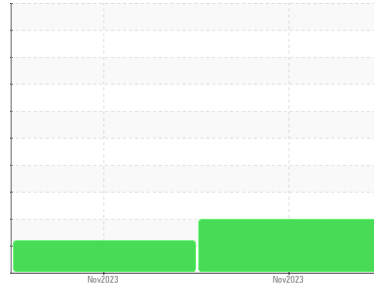
view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
BATGPB-1 (S/N 94-512)
 Component
Hydraulic Power Pack
 Fluid
NOCO NOCOLUBE AW 68 (165 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filtering at the time of sampling has been noted. Resample at the next service interval to monitor. Please note that this is a corrected copy. (Customer Sample Comment: After 6 hours of kidney filtration.)

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates 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			WC0782768	WC0782767	---
Sample Date	Client Info			06 Nov 2023	05 Nov 2023	---
Machine Age	hrs	Client Info		84467	84460	---
Oil Age	hrs	Client Info		4800	4793	---
Oil Changed	Client Info			Filtered	N/A	---
Sample Status				ABNORMAL	ATTENTION	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.05	NEG	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	---
Chromium	ppm	ASTM D5185m	>20	0	0	---
Nickel	ppm	ASTM D5185m	>20	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>20	0	0	---
Lead	ppm	ASTM D5185m	>20	0	0	---
Copper	ppm	ASTM D5185m	>20	1	1	---
Tin	ppm	ASTM D5185m	>20	0	0	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
Cadmium	ppm	ASTM D5185m		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		<1	2	---
Calcium	ppm	ASTM D5185m	40	106	106	---
Phosphorus	ppm	ASTM D5185m	250	377	382	---
Zinc	ppm	ASTM D5185m	310	497	493	---
Sulfur	ppm	ASTM D5185m	2540	7889	8088	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	---
Sodium	ppm	ASTM D5185m		<1	<1	---
Potassium	ppm	ASTM D5185m	>20	0	0	---

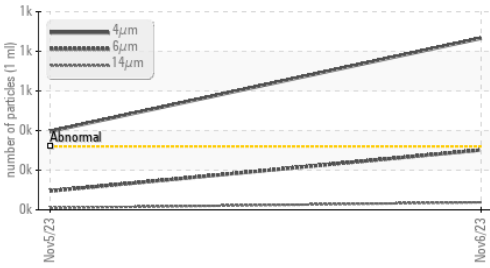
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>320	▲ 866	▲ 396	---
Particles >6µm		ASTM D7647	>80	▲ 302	▲ 95	---
Particles >14µm		ASTM D7647	>10	▲ 38	9	---
Particles >21µm		ASTM D7647	>3	▲ 11	2	---
Particles >38µm		ASTM D7647	>3	0	0	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>15/13/10	▲ 17/15/12	▲ 16/14/10	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.25	0.25	---

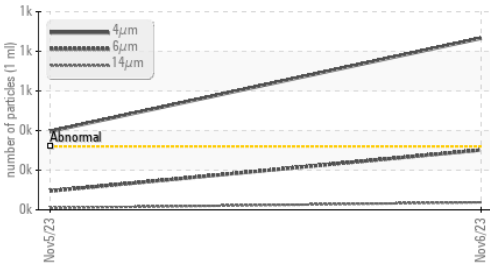


OIL ANALYSIS REPORT

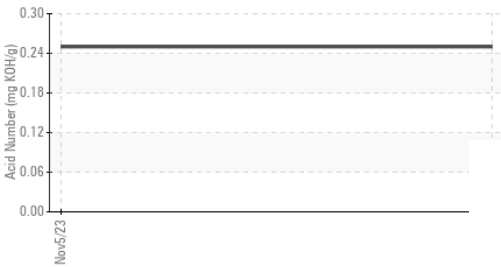
▲ Particle Trend



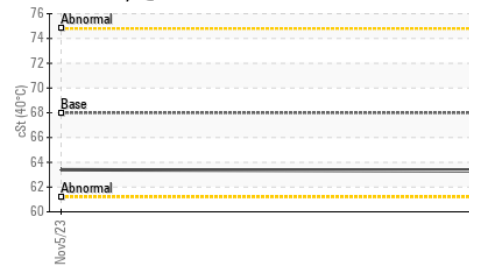
▲ Particle Trend



Acid Number





Viscosity @ 40°C



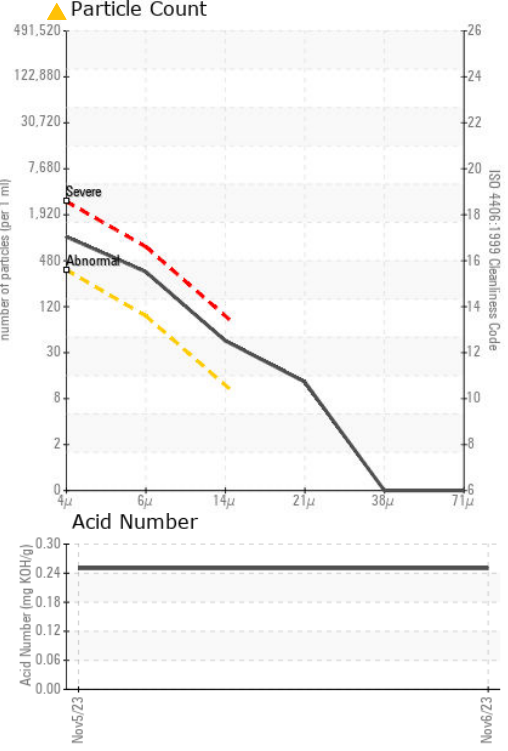
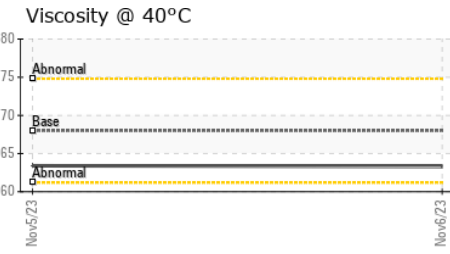
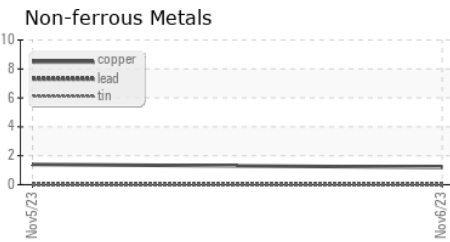
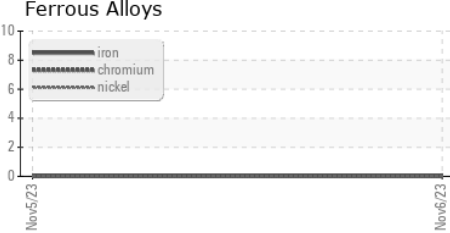
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68.0	63.3	63.4

SAMPLE IMAGES

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0782768 **Received** : 15 Nov 2023
Lab Number : 06008307 **Diagnosed** : 22 Nov 2023
Unique Number : 10742069 **Diagnostician** : Doug Bogart
Test Package : IND 2

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 4506 HWY 90
 CONWAY, SC
 US 29526-9631
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 westsidesolutionsus@gmail.com
 T: (216)577-5014
 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)