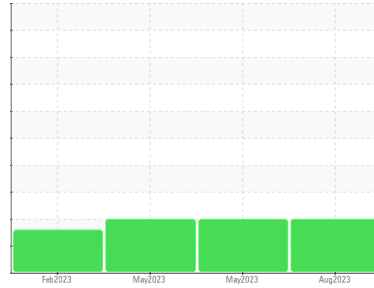




PROBLEM SUMMARY

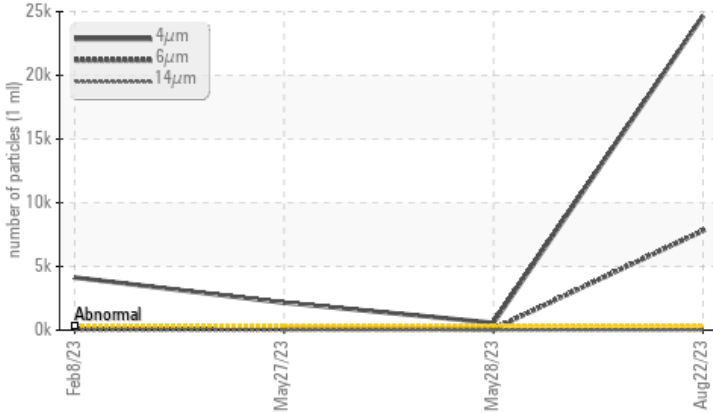
Sample Rating Trend



Machine Id
ALBGPB-D (S/N 96-075)
 Component
Hydraulic Power Pack
 Fluid
ESSO NUTO H ISO 46 (275 GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. (Customer Sample Comment: VI please. Suspect mobil product possible nuto or dte 25)

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ATTENTION	ABNORMAL
Particles >4µm	ASTM D7647	>320	▲ 24659	▲ 569	▲ 2157
Particles >6µm	ASTM D7647	>80	▲ 7807	▲ 90	▲ 185
Particles >14µm	ASTM D7647	>10	▲ 18	▲ 14	▲ 17
Particles >21µm	ASTM D7647	>3	▲ 4	▲ 4	▲ 6
Oil Cleanliness	ISO 4406 (c)	>15/13/10	▲ 22/20/11	▲ 16/14/11	▲ 18/15/11

Customer Id: WESCONSC
 Sample No.: WC0782753
 Lab Number: 05935345
 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
Change Filter	---	---	?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

28 May 2023 Diag: Doug Bogart

ISO



No corrective action is recommended at this time. The filtration at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



27 May 2023 Diag: Doug Bogart

ISO



No corrective action is recommended at this time. The filtration at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



08 Feb 2023 Diag: Doug Bogart

ISO



We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Please note that this is a corrected copy for laboratory data update for VI. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

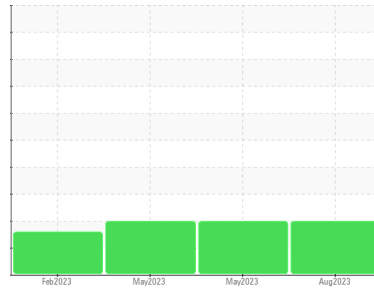
view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
ALBGPB-D (S/N 96-075)

Component
Hydraulic Power Pack

Fluid
ESSO NUTO H ISO 46 (275 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. (Customer Sample Comment: VI please. Suspect mobil product possible nuto or dte 25)

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		WC0782753	WC0782746	WC0782745
Sample Date	Client Info		22 Aug 2023	28 May 2023	27 May 2023
Machine Age	hrs	Client Info	32989	31426	31426
Oil Age	hrs	Client Info	0	2045	2045
Oil Changed	Client Info		Not Chngd	Filtered	N/A
Sample Status			ABNORMAL	ATTENTION	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<1	1	1
Chromium	ppm	ASTM D5185m >20	1	2	1
Nickel	ppm	ASTM D5185m >20	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >20	0	0	0
Lead	ppm	ASTM D5185m >20	0	0	0
Copper	ppm	ASTM D5185m >20	12	12	10
Tin	ppm	ASTM D5185m >20	0	0	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	0	0	0
Barium	ppm	ASTM D5185m 0	0	0	0
Molybdenum	ppm	ASTM D5185m 0	7	8	4
Manganese	ppm	ASTM D5185m	0	0	0
Magnesium	ppm	ASTM D5185m 5	<1	3	3
Calcium	ppm	ASTM D5185m 50	63	61	62
Phosphorus	ppm	ASTM D5185m 330	343	313	311
Zinc	ppm	ASTM D5185m 410	410	406	407
Sulfur	ppm	ASTM D5185m 2700	4019	3524	3613

CONTAMINANTS

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

FLUID CLEANLINESS

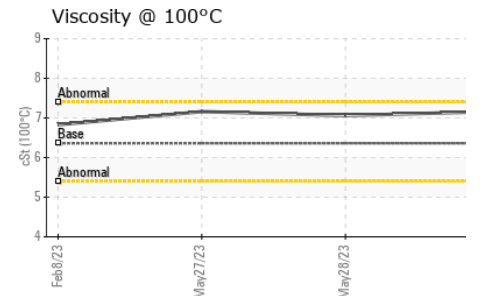
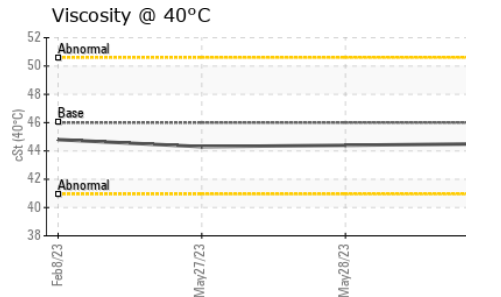
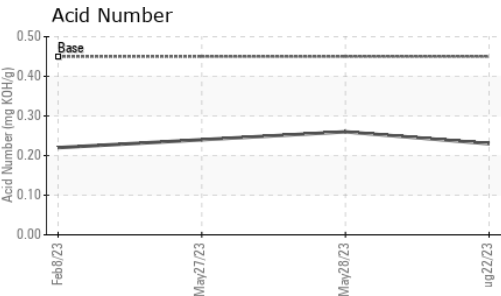
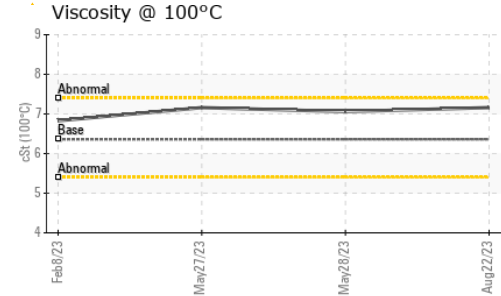
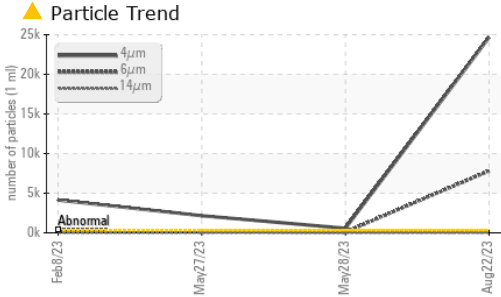
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>320	▲ 24659	▲ 569	▲ 2157
Particles >6µm	ASTM D7647	>80	▲ 7807	▲ 90	▲ 185
Particles >14µm	ASTM D7647	>10	▲ 18	▲ 14	▲ 17
Particles >21µm	ASTM D7647	>3	▲ 4	▲ 4	▲ 6
Particles >38µm	ASTM D7647	>3	0	0	0
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>15/13/10	▲ 22/20/11	▲ 16/14/11	▲ 18/15/11

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.45	0.23	0.26	0.24



OIL ANALYSIS REPORT

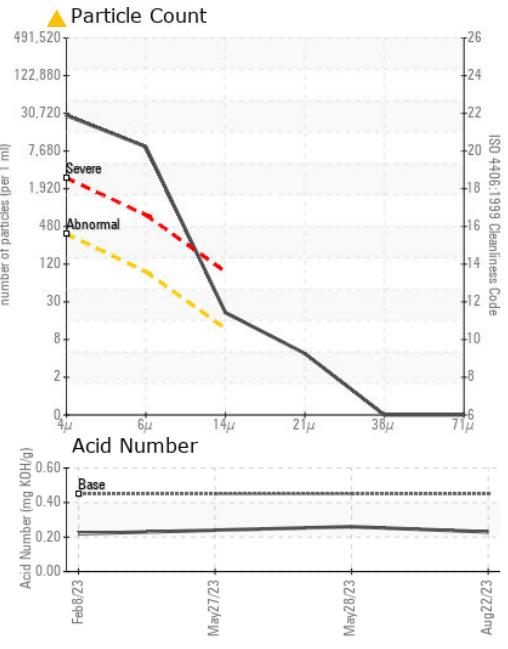
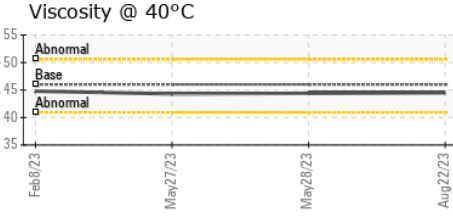
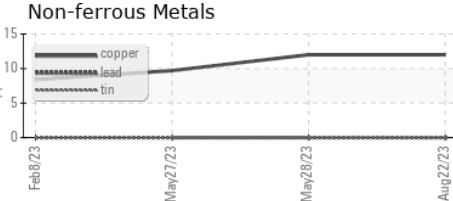
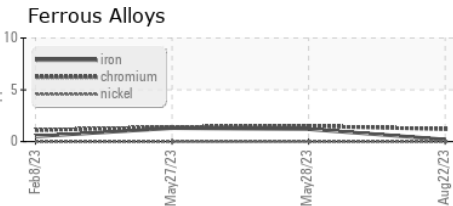


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.4	44.3
Visc @ 100°C	cSt	ASTM D445	6.36	7.06	7.16
Viscosity Index (VI)	Scale	ASTM D2270	81	117	122

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0782753 **Received** : 25 Aug 2023
Lab Number : 05935345 **Diagnosed** : 30 Aug 2023
Unique Number : 10620616 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: KV100, VI)

WEST SIDE SOLUTIONS
 4506 HWY 90
 CONWAY, SC
 US 29526-9631
 Contact: KEN ANDRE
 westsidesolutionsus@gmail.com
 T: (216)577-5014
 F:

Certificate L2367
 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)