



PROBLEM SUMMARY

Sample Rating Trend



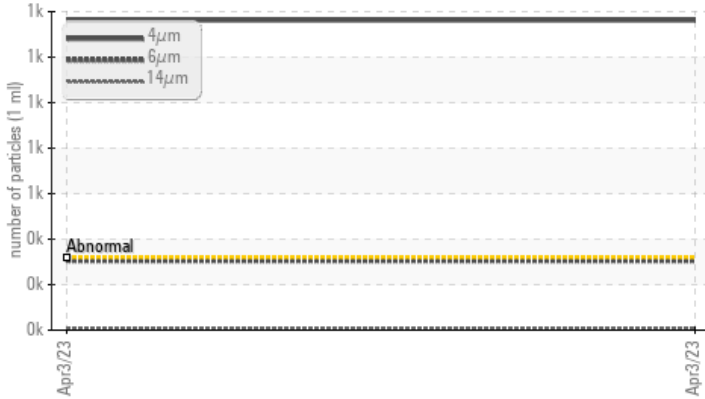
ISO



Machine Id
MOGGPB-1 (S/N 16-119)
 Component
Hydraulic Power Pack
 Fluid
MOBIL DTE 25 (335 GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor. (Customer Sample Comment: VI Please. Unsure if Fluid type is actually DTE 25 or Nuto, customer unsure. Fluid and filter age are approximate since customer did not record Fluid change hours or date, reports completed in September 2022.)

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	---	---
Particles >4µm	ASTM D7647	>320	▲ 1362	---	---
Particles >6µm	ASTM D7647	>80	▲ 305	---	---
Oil Cleanliness	ISO 4406 (c)	>15/13/10	▲ 18/15/10	---	---

Customer Id: WESCONSC
 Sample No.: WC0782729
 Lab Number: 05813310
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Angela Borella +1 800-237-1369
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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 advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.
Filter Fluid	---	---	?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
MOGGPB-1 (S/N 16-119)
 Component
Hydraulic Power Pack
 Fluid
MOBIL DTE 25 (335 GAL)

DIAGNOSIS

Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor. (Customer Sample Comment: VI Please. Unsure if Fluid type is actually DTE 25 or Nuto, customer unsure. Fluid and filter age are approximate since customer did not record Fluid change hours or date, reports completed in September 2022.)

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 acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0782729	---	---
Sample Date	Client Info	03 Apr 2023	---	---
Machine Age	hrs Client Info	23692	---	---
Oil Age	hrs Client Info	3400	---	---
Oil Changed	Client Info	Filtered	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>20	0	---	---
Chromium ppm ASTM D5185m	>20	0	---	---
Nickel ppm ASTM D5185m	>20	0	---	---
Titanium ppm ASTM D5185m		0	---	---
Silver ppm ASTM D5185m		0	---	---
Aluminum ppm ASTM D5185m	>20	1	---	---
Lead ppm ASTM D5185m	>20	0	---	---
Copper ppm ASTM D5185m	>20	14	---	---
Tin ppm ASTM D5185m	>20	0	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		0	---	---
Barium ppm ASTM D5185m		0	---	---
Molybdenum ppm ASTM D5185m		0	---	---
Manganese ppm ASTM D5185m		<1	---	---
Magnesium ppm ASTM D5185m		2	---	---
Calcium ppm ASTM D5185m		59	---	---
Phosphorus ppm ASTM D5185m		339	---	---
Zinc ppm ASTM D5185m		500	---	---
Sulfur ppm ASTM D5185m		575	---	---

CONTAMINANTS

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

FLUID CLEANLINESS

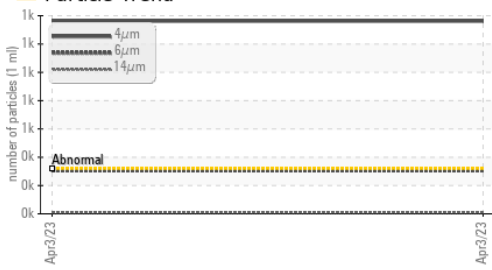
method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>320	▲ 1362	---	---
Particles >6µm ASTM D7647	>80	▲ 305	---	---
Particles >14µm ASTM D7647	>10	10	---	---
Particles >21µm ASTM D7647	>3	1	---	---
Particles >38µm ASTM D7647	>3	0	---	---
Particles >71µm ASTM D7647	>3	0	---	---
Oil Cleanliness ISO 4406 (c)	>15/13/10	▲ 18/15/10	---	---

FLUID DEGRADATION

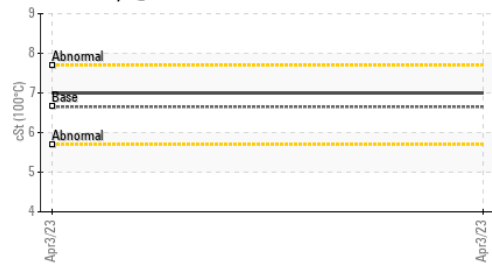
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		0.35	---	---

OIL ANALYSIS REPORT

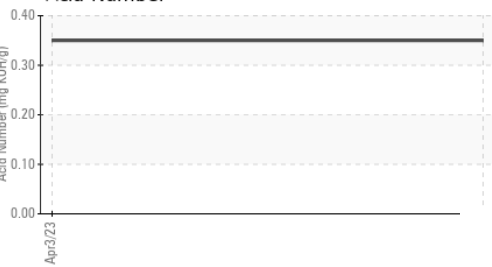
▲ Particle Trend



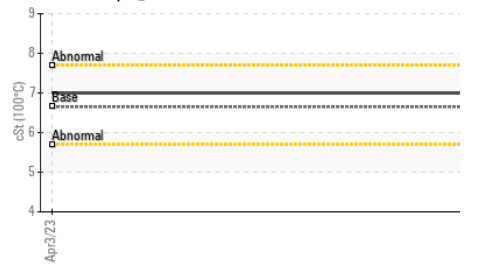
● Viscosity @ 100°C



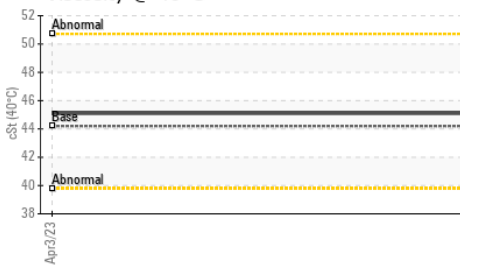
Acid Number



● Viscosity @ 100°C



● 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	44.2	45.1	---
Visc @ 100°C	cSt	ASTM D445	6.65	7	---
Viscosity Index (VI)	Scale	ASTM D2270	98	112	---

SAMPLE IMAGES

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

GRAPHS

Ferrous Alloys



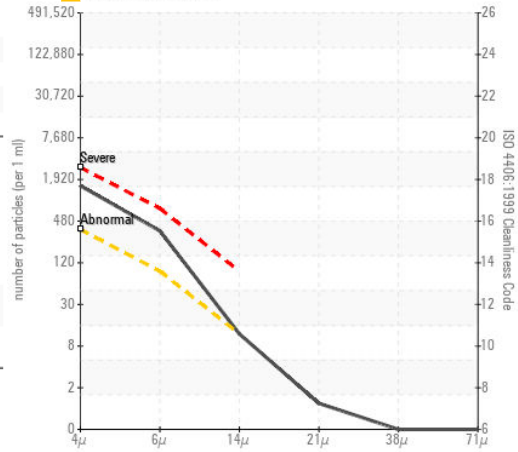
Non-ferrous Metals



Viscosity @ 40°C



▲ Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0782729 **Received** : 06 Apr 2023
Lab Number : 05813310 **Diagnosed** : 11 Apr 2023
Unique Number : 10416102 **Diagnostician** : Angela Borella
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
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 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)