PROBLEM SUMMARY

ISO

Machine Id
PALFINGER 56363 Braintree
Component
2 Hydraulic System
Fluid
NOT GIVEN (--- GAL)

Oct2023

COMPONENT CONDITION SUMMARY

⚠ Particle Trend
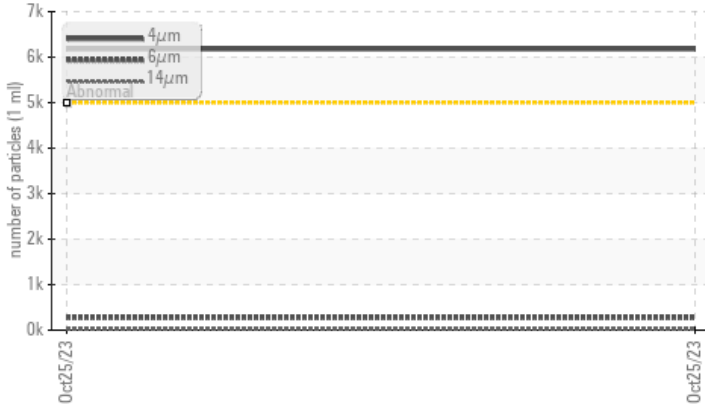
RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS

Sample Status			**ATTENTION**	---	---
Particles >4μm	ASTM D7647	>5000	⚠ **6177**	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	⚠ **20/15/12**	---	---

Customer Id: PALJACNJ
Sample No.: WC0839787
Lab Number: 06006276
Test Package: CONST

To manage this report scan the QR code

To discuss the diagnosis or test data:
Wes Davis +1 905-569-8600 x223
wesd@wearcheck.ca

To change component or sample information:
Customer Service +1 1-800-237-1369
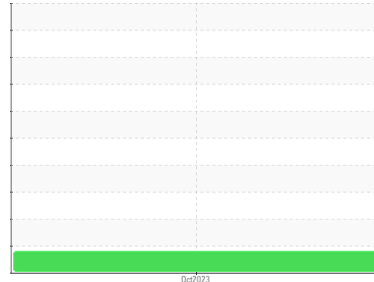customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.
Information Required	---	---	?	Please specify the brand, type, and viscosity of the oil on your next sample.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend

Machine Id
PALFINGER 56363 Braintree
Component
2 Hydraulic System
Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

▲ **Recommendation**

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.

Wear

All component wear rates are normal.

▲ **Contamination**

There is a light 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		**WC0839787**	---	---
Sample Date		Client Info		**25 Oct 2023**	---	---
Machine Age	hrs	Client Info		**3934**	---	---
Oil Age	hrs	Client Info		**3934**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**ATTENTION**	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	**8**	---	---
Chromium	ppm	ASTM D5185m	>10	**<1**	---	---
Nickel	ppm	ASTM D5185m	>10	**0**	---	---
Titanium	ppm	ASTM D5185m		**0**	---	---
Silver	ppm	ASTM D5185m		**0**	---	---
Aluminum	ppm	ASTM D5185m	>10	**0**	---	---
Lead	ppm	ASTM D5185m	>10	**<1**	---	---
Copper	ppm	ASTM D5185m	>75	**0**	---	---
Tin	ppm	ASTM D5185m	>10	**<1**	---	---
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		**7**	---	---
Calcium	ppm	ASTM D5185m		**72**	---	---
Phosphorus	ppm	ASTM D5185m		**294**	---	---
Zinc	ppm	ASTM D5185m		**377**	---	---
Sulfur	ppm	ASTM D5185m		**1484**	---	---

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

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ **6177**	---	---
Particles >6µm		ASTM D7647	>1300	**276**	---	---
Particles >14µm		ASTM D7647	>160	**22**	---	---
Particles >21µm		ASTM D7647	>40	**5**	---	---
Particles >38µm		ASTM D7647	>10	**0**	---	---
Particles >71µm		ASTM D7647	>3	**0**	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ **20/15/12**	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.19**	---	---

OIL ANALYSIS REPORT

Particle Trend
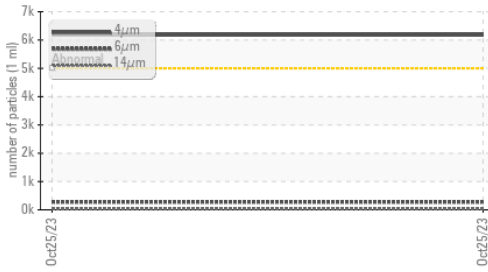
Particle Trend
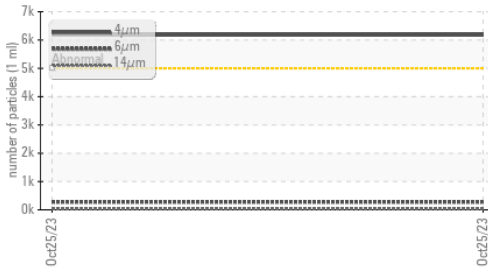
Acid Number
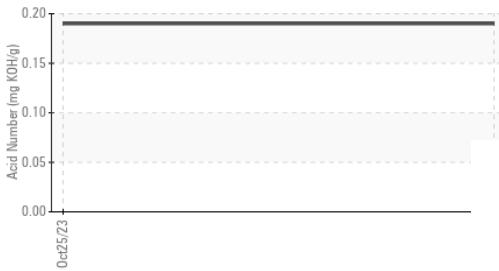
Viscosity @ 40°C
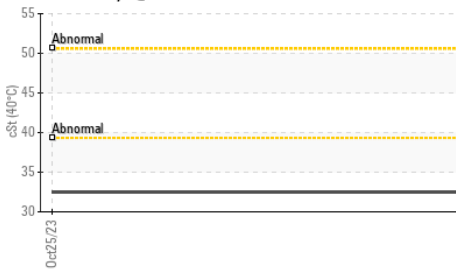
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	LIGHT	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		32.5	---	---

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

GRAPHS

Ferrous Alloys
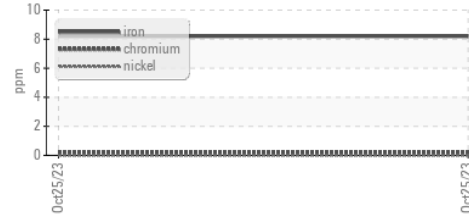
Non-ferrous Metals
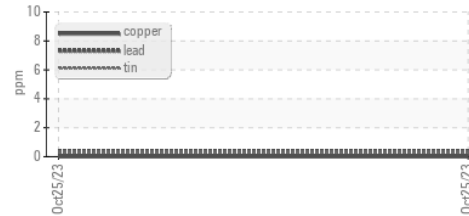
Viscosity @ 40°C

Particle Count

Acid Number
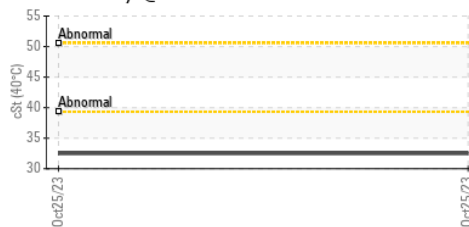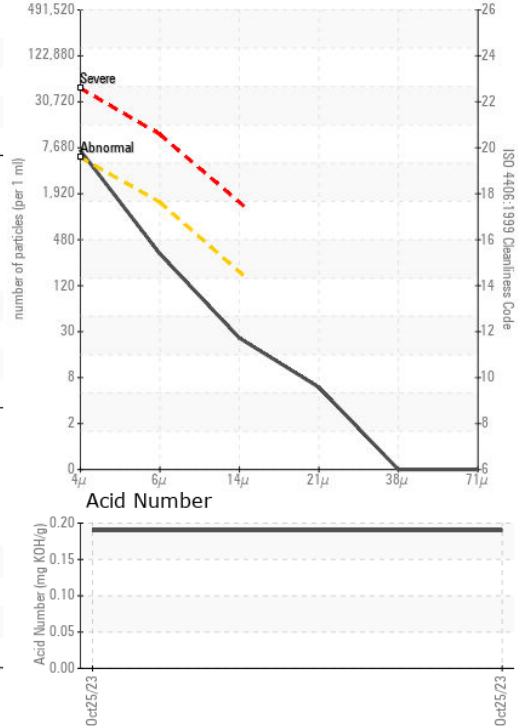
Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0839787   **Received** : 13 Nov 2023

Lab Number : 06006276   **Diagnosed** : 14 Nov 2023

Unique Number : 10740038   **Diagnostician** : Wes Davis

Test Package : CONST (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)

PALFINGER - BRANCH 410
632 CEDAR SWAMP RD
JACKSON, NJ
US 08527
Contact: DON DRESS
d.dress@palfinger.com
T:
F:

Certificate L2367