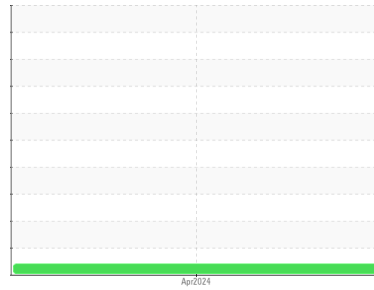




OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area

[604117]

Machine Id

PALFINGER 26650

Component

Hydraulic System

Fluid

AW HYDRAULIC OIL ISO 46 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Fluid Condition

Viscosity of sample indicates oil is within ISO 32 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

Sample Number	Client Info	method	limit/base	current	history1	history2
WC0881232	---	---	---	---	---	---
Sample Date	Client Info	method	limit/base	current	history1	history2
18 Apr 2024	---	---	---	---	---	---
Machine Age	hrs	Client Info	limit/base	current	history1	history2
1742	---	---	---	---	---	---
Oil Age	hrs	Client Info	limit/base	current	history1	history2
0	---	---	---	---	---	---
Oil Changed	Client Info	method	limit/base	current	history1	history2
Not Changed	---	---	---	---	---	---
Sample Status	Client Info	method	limit/base	current	history1	history2
ATTENTION	---	---	---	---	---	---

CONTAMINATION

Water	method	limit/base	current	history1	history2
WC Method	>0.1	---	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	6	---	---
Chromium	ppm	ASTM D5185m >10	0	---	---
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	0	---	---
Copper	ppm	ASTM D5185m >75	0	---	---
Tin	ppm	ASTM D5185m >10	0	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 5	0	---	---
Barium	ppm	ASTM D5185m 5	0	---	---
Molybdenum	ppm	ASTM D5185m 5	0	---	---
Manganese	ppm	ASTM D5185m	0	---	---
Magnesium	ppm	ASTM D5185m 25	7	---	---
Calcium	ppm	ASTM D5185m 200	67	---	---
Phosphorus	ppm	ASTM D5185m 300	372	---	---
Zinc	ppm	ASTM D5185m 370	474	---	---
Sulfur	ppm	ASTM D5185m 2500	1541	---	---

CONTAMINANTS

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

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	4101	---	---
Particles >6µm	ASTM D7647	>1300	454	---	---
Particles >14µm	ASTM D7647	>160	28	---	---
Particles >21µm	ASTM D7647	>40	6	---	---
Particles >38µm	ASTM D7647	>10	1	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	19/16/12	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.57	0.29	---	---





OIL ANALYSIS REPORT

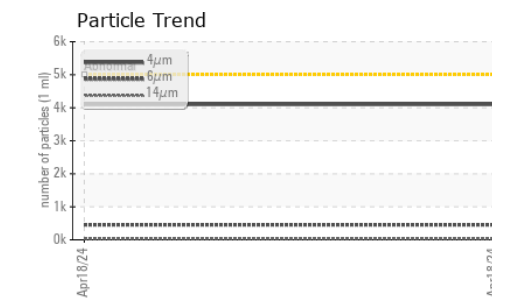
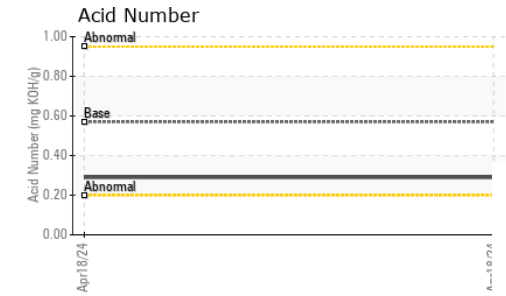
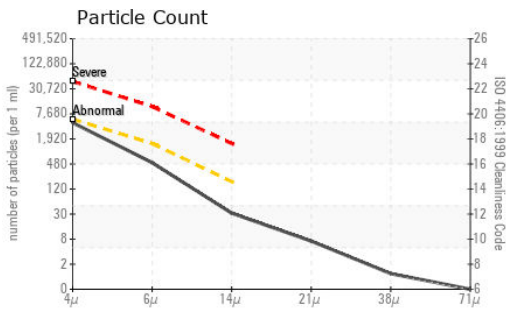
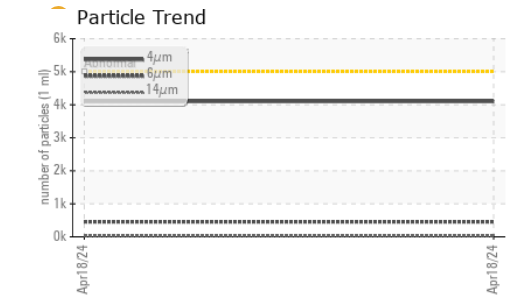
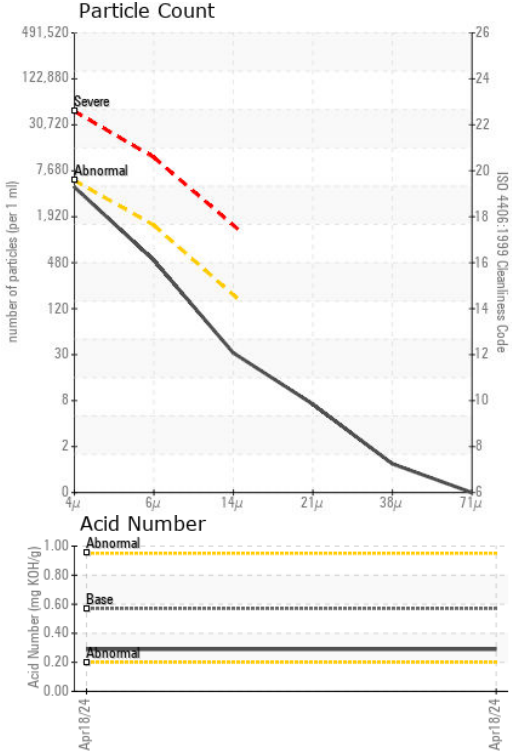
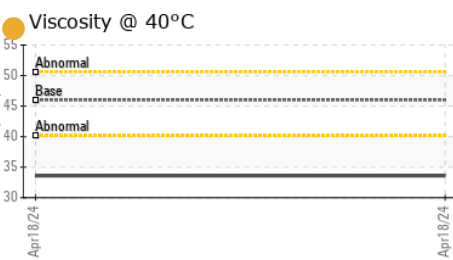
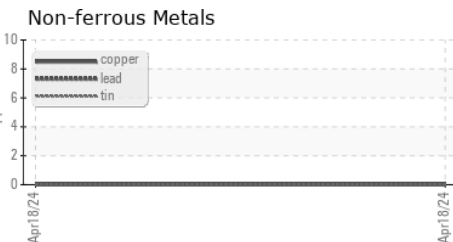
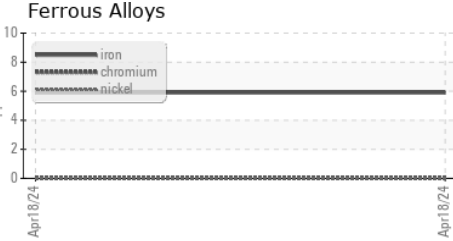
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	● 33.6	---	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0881232 **Received** : 11 Jul 2024
Lab Number : 06233808 **Tested** : 12 Jul 2024
Unique Number : 11122642 **Diagnosed** : 13 Jul 2024 - Don Baldrige
Test Package : CONST

PALFINGER
 771 BUSINESS PARK BLVD
 WINTER GARDEN, FL
 US 34787
 Contact: LUIS FERNANDEZ
 lfernandez@palfinger.com

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)