

PROBLEM SUMMARY

Sample Rating Trend

ISO

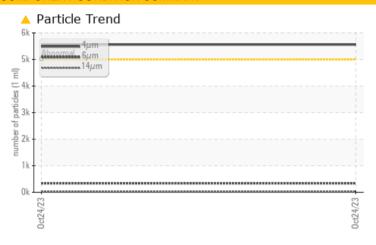
PALFINGER 56303 Braintree

Component

2 Hydraulic System
Fluid

NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

| PROBLEMATIC T | EST RESULTS | | | | |
|-----------------|--------------|-----------|-----------------|------|--|
| Sample Status | | | ATTENTION | | |
| Particles >4µm | ASTM D7647 | >5000 | <u> 5561</u> | | |
| Oil Cleanliness | ISO 4406 (c) | >19/17/14 | 20/16/12 | | |

Customer Id: PALJACNJ Sample No.: WC0814069 Lab Number: 06006273 Test Package: CONST

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 | | | |
| Information Required | | | ? | Please specify the brand, type, and viscosity of the oil on your next sample. | | | |
| HISTORICAL DIAGN | NOSIS | | | | | | |



OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id

PALFINGER 56303 Braintree

Componen

2 Hydraulic System

NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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 moderate amount of silt (particulates < 6 microns in size) present in the oil.

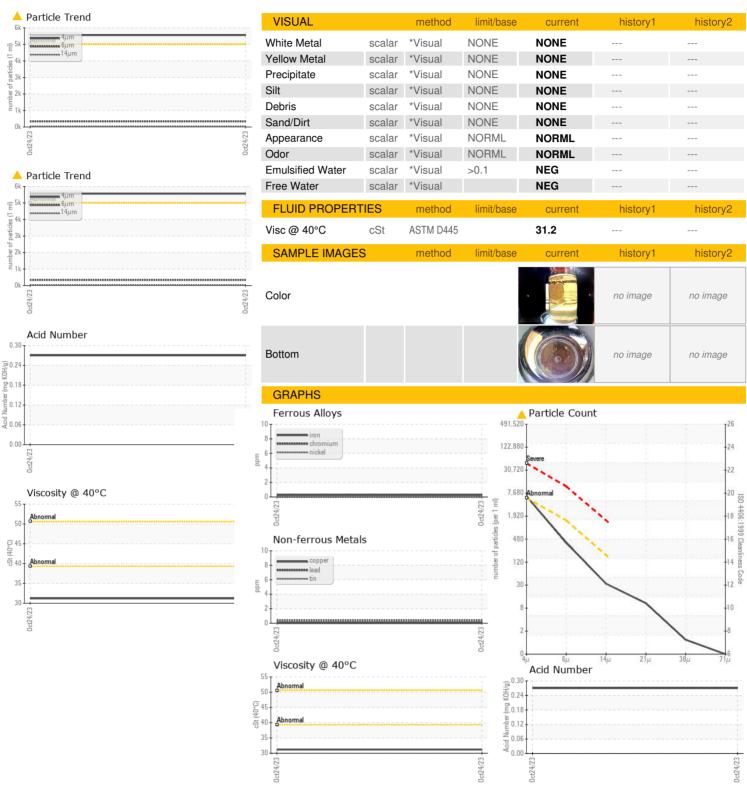
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| | | | | Oct2023 | | |
|-----------------|--------|--------------|------------|-----------------|----------|----------|
| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | WC0814069 | | |
| Sample Date | | Client Info | | 24 Oct 2023 | | |
| Machine Age | hrs | Client Info | | 771 | | |
| Oil Age | hrs | Client Info | | 771 | | |
| Oil Changed | | Client Info | | N/A | | |
| Sample Status | | | | ATTENTION | | |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >20 | <1 | | |
| 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 | <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 | nnm | ASTM D5185m | | <1 | | |
| Barium | ppm | ASTM D5185m | | 0 | | |
| | ppm | ASTM D5185m | | 1 | | |
| Molybdenum | ppm | ASTM D5185m | | 0 | | |
| Manganese | ppm | | | - | | |
| Magnesium | ppm | ASTM D5185m | | 8 | | |
| Calcium | ppm | ASTM D5185m | | 90 | | |
| Phosphorus | ppm | ASTM D5185m | | 335 | | |
| Zinc | ppm | ASTM D5185m | | 417 | | |
| Sulfur | ppm | ASTM D5185m | | 1567 | | |
| CONTAMINANTS | 5 | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >20 | 2 | | |
| Sodium | ppm | ASTM D5185m | | 0 | | |
| Potassium | ppm | ASTM D5185m | >20 | 0 | | |
| FLUID CLEANLIN | IESS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | >5000 | <u></u> 5561 | | |
| Particles >6µm | | ASTM D7647 | >1300 | 339 | | |
| Particles >14µm | | ASTM D7647 | >160 | 29 | | |
| Particles >21µm | | ASTM D7647 | >40 | 9 | | |
| Particles >38µm | | ASTM D7647 | >10 | 1 | | |
| Particles >71µm | | ASTM D7647 | >3 | 0 | | |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | 20/16/12 | | |
| FLUID DEGRADA | ATION | method | limit/base | current | history1 | history2 |
| | | ASTM D8045 | | 0.27 | | |



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. **Unique Number**

Lab Number

: 06006273 : 10740035

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0814069

Received Diagnosed

: 13 Nov 2023 : 14 Nov 2023 Diagnostician : Doug Bogart

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

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F: