

PROBLEM SUMMARY

Sample Rating Trend



WEAR



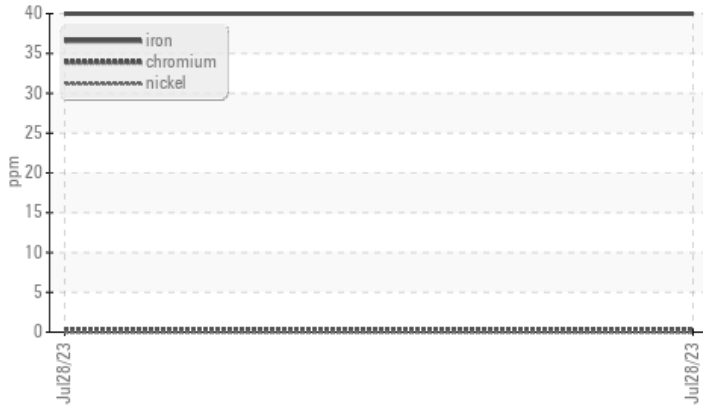
Machine Id
PLATAFORMA (S/N 310)

Component
Hydraulic System

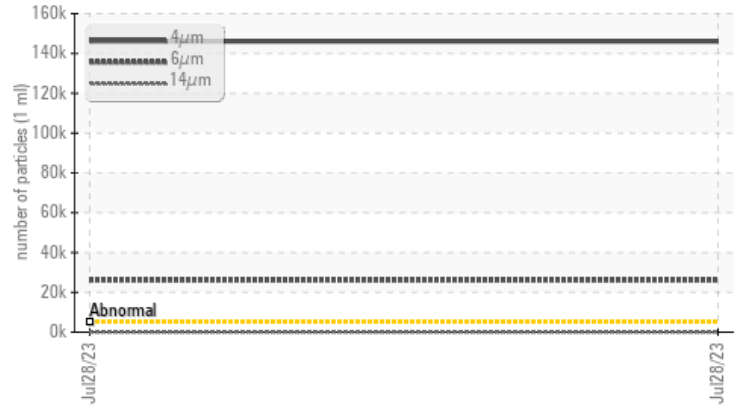
Fluid
ROYAL PURPLE SYNDRAULIC 68 (600 LTR)

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



▲ Particle Trend



RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

| Sample Status | | | | ABNORMAL | --- | --- |
|-----------------|-----|--------------|-----------|-------------------|-----|-----|
| Iron | ppm | ASTM D5185m | >20 | ▲ 40 | --- | --- |
| Particles >4µm | | ASTM D7647 | >5000 | ▲ 146050 | --- | --- |
| Particles >6µm | | ASTM D7647 | >1300 | ▲ 26119 | --- | --- |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | ▲ 24/22/14 | --- | --- |

Customer Id: PAEMON
Sample No.: RP0032905
Lab Number: 05927225
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

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

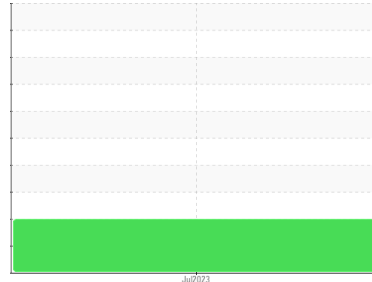
RECOMMENDED ACTIONS

| Action | Status | Date | Done By | Description |
|---------------|--------|------|---------|---|
| Change Filter | --- | --- | ? | We recommend you service the filters on this component if applicable. |

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
PLATAFORMA (S/N 310)
 Component
Hydraulic System
 Fluid
ROYAL PURPLE SYNDRAULIC 68 (600 LTR)

DIAGNOSIS

▲ Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

▲ Wear

The iron level is abnormal. All other 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 suitable for further service.

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 |
|---------------|-----------------|--------------------|----------|----------|
| Sample Number | Client Info | RP0032905 | --- | --- |
| Sample Date | Client Info | 28 Jul 2023 | --- | --- |
| Machine Age | hrs Client Info | 1000 | --- | --- |
| Oil Age | hrs Client Info | 1000 | --- | --- |
| Oil Changed | Client Info | Not Chngd | --- | --- |
| Sample Status | | ABNORMAL | --- | --- |

WEAR METALS

| method | limit/base | current | history1 | history2 |
|--------------------------|------------|--------------|----------|----------|
| Iron ppm ASTM D5185m | >20 | ▲ 40 | --- | --- |
| Chromium ppm ASTM D5185m | >20 | <1 | --- | --- |
| Nickel ppm ASTM D5185m | >20 | 0 | --- | --- |
| Titanium ppm ASTM D5185m | | <1 | --- | --- |
| Silver ppm ASTM D5185m | | 0 | --- | --- |
| Aluminum ppm ASTM D5185m | >20 | <1 | --- | --- |
| Lead ppm ASTM D5185m | >20 | 4 | --- | --- |
| Copper ppm ASTM D5185m | >20 | 12 | --- | --- |
| Tin ppm ASTM D5185m | >20 | 0 | --- | --- |
| Vanadium ppm ASTM D5185m | | <1 | --- | --- |
| 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 | | 3 | --- | --- |
| Calcium ppm ASTM D5185m | | 52 | --- | --- |
| Phosphorus ppm ASTM D5185m | | 394 | --- | --- |
| Zinc ppm ASTM D5185m | | 481 | --- | --- |

CONTAMINANTS

| method | limit/base | current | history1 | history2 |
|---------------------------|------------|--------------|----------|----------|
| Silicon ppm ASTM D5185m | >15 | 3 | --- | --- |
| Sodium ppm ASTM D5185m | | 2 | --- | --- |
| Potassium ppm ASTM D5185m | >20 | 2 | --- | --- |
| Water % ASTM D6304 | >0.05 | 0.004 | --- | --- |
| ppm Water ppm ASTM D6304 | >500 | 40.0 | --- | --- |

FLUID CLEANLINESS

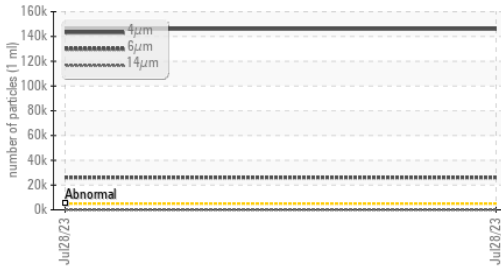
| method | limit/base | current | history1 | history2 |
|------------------------------|------------|-------------------|----------|----------|
| Particles >4µm ASTM D7647 | >5000 | ▲ 146050 | --- | --- |
| Particles >6µm ASTM D7647 | >1300 | ▲ 26119 | --- | --- |
| Particles >14µm ASTM D7647 | >160 | 91 | --- | --- |
| Particles >21µm ASTM D7647 | >40 | 4 | --- | --- |
| Particles >38µm ASTM D7647 | >10 | 0 | --- | --- |
| Particles >71µm ASTM D7647 | >3 | 0 | --- | --- |
| Oil Cleanliness ISO 4406 (c) | >19/17/14 | ▲ 24/22/14 | --- | --- |

FLUID DEGRADATION

| method | limit/base | current | history1 | history2 |
|--------------------------------------|------------|-------------|----------|----------|
| Acid Number (AN) mg KOH/g ASTM D8045 | | 0.80 | --- | --- |

OIL ANALYSIS REPORT

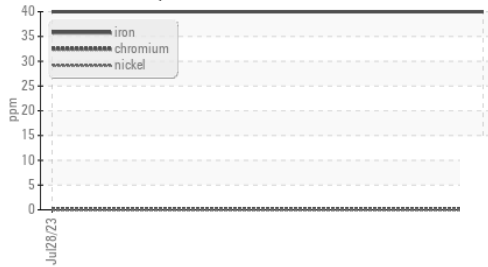
Particle Trend



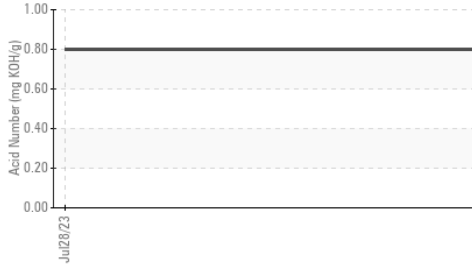
Water



Ferrous Alloys



Acid Number



Water



| 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 | --- |

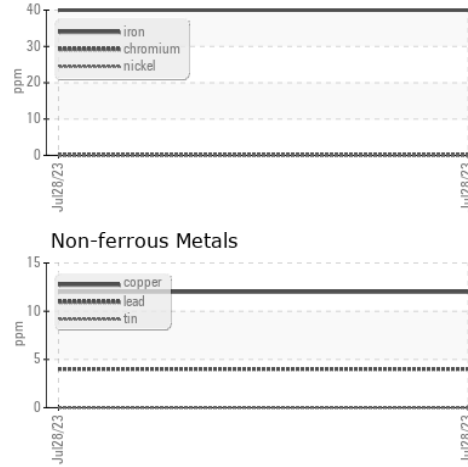
| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 68.0 | 66.1 | --- |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|

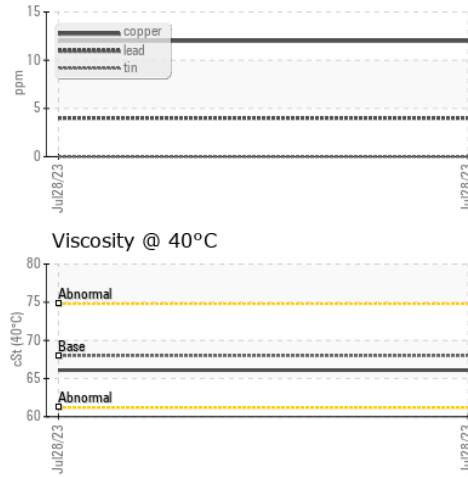
| | | | | | |
|--------|--|--|--|----------|----------|
| Color | | | | no image | no image |
| Bottom | | | | no image | no image |

GRAPHS

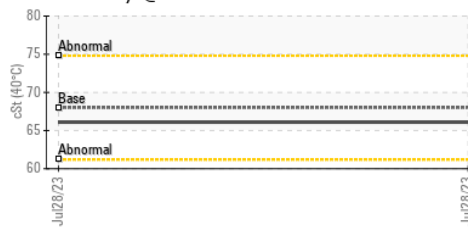
Ferrous Alloys



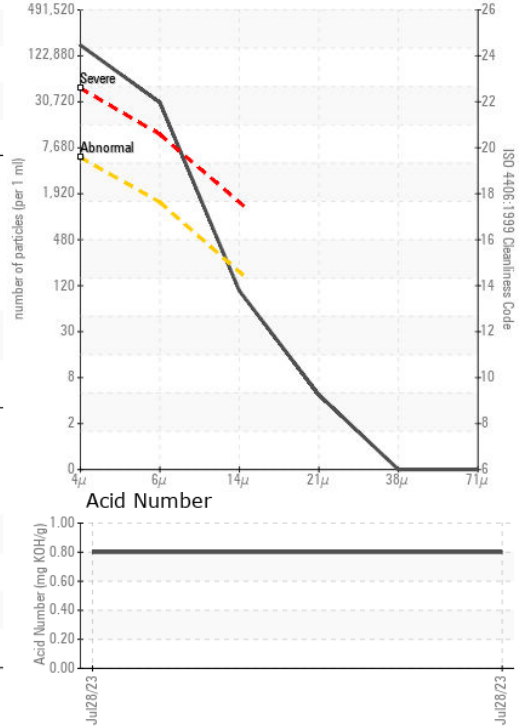
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0032905 **Received** : 17 Aug 2023
Lab Number : 05927225 **Diagnosed** : 21 Aug 2023
Unique Number : 10607172 **Diagnostician** : Jonathan Hester
Test Package : IND 2

PAESA
 CHAPULTEPEE 304-A COL. REGINA
 MONTERREY,
 NL
 Contact: MARCELA TOVAR
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 T:
 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)