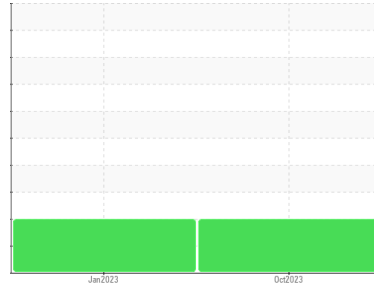


PROBLEM SUMMARY

Sample Rating Trend



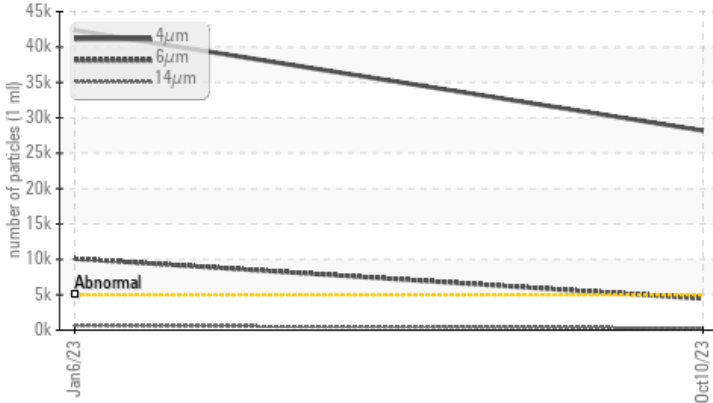
ISO



Machine Id
871
 Component
Hydraulic System
 Fluid
PETRO CANADA PURITY FG AW HYDRAULIC 32 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ 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 | ABNORMAL | --- |
|-----------------|--------------|-----------|-------------------|------------|-----|
| Particles >4µm | ASTM D7647 | >5000 | ▲ 28185 | ▲ 42365 | --- |
| Particles >6µm | ASTM D7647 | >1300 | ▲ 4452 | ▲ 10096 | --- |
| Particles >14µm | ASTM D7647 | >160 | ▲ 269 | ▲ 645 | --- |
| Particles >21µm | ASTM D7647 | >40 | ▲ 72 | ▲ 122 | --- |
| Oil Cleanliness | ISO 4406 (c) | >19/17/14 | ▲ 22/19/15 | ▲ 23/21/17 | --- |

Customer Id: AISCRO
 Sample No.: PCA0090062
 Lab Number: 05975701
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

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

06 Jan 2023 Diag: Don Baldrige

ISO



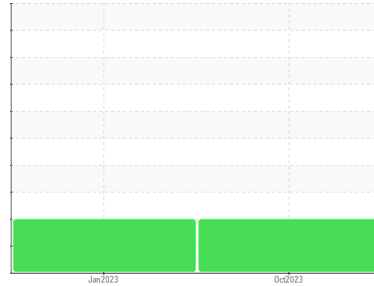
We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
871
Component
Hydraulic System
Fluid
PETRO CANADA PURITY FG AW HYDRAULIC 32 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates 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 | PCA0090062 | PCA0090052 | --- |
| Sample Date | Client Info | 10 Oct 2023 | 06 Jan 2023 | --- |
| Machine Age | hrs | 0 | 0 | --- |
| Oil Age | hrs | 0 | 0 | --- |
| Oil Changed | Client Info | N/A | N/A | --- |
| Sample Status | | ABNORMAL | ABNORMAL | --- |

WEAR METALS

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

ADDITIVES

| method | limit/base | current | history1 | history2 | |
|------------|------------|-------------|--------------|----------|-----|
| Boron | ppm | ASTM D5185m | 0 | 0 | --- |
| Barium | ppm | ASTM D5185m | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185m | <1 | 0 | --- |
| Magnesium | ppm | ASTM D5185m | 26 | 23 | --- |
| Calcium | ppm | ASTM D5185m | 46 | 46 | --- |
| Phosphorus | ppm | ASTM D5185m | 256 | 254 | --- |
| Zinc | ppm | ASTM D5185m | 228 | 221 | --- |
| Sulfur | ppm | ASTM D5185m | 4304 | 4937 | --- |

CONTAMINANTS

| method | limit/base | current | history1 | history2 | |
|-----------|------------|-----------------|----------|----------|-----|
| Silicon | ppm | ASTM D5185m >15 | 1 | 1 | --- |
| Sodium | ppm | ASTM D5185m | 2 | <1 | --- |
| Potassium | ppm | ASTM D5185m >20 | 0 | 0 | --- |

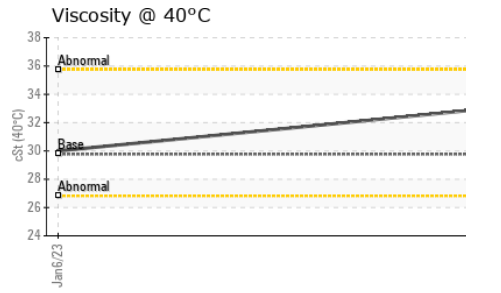
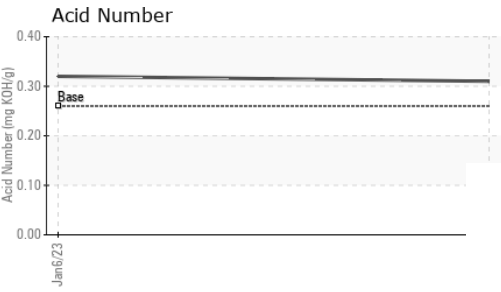
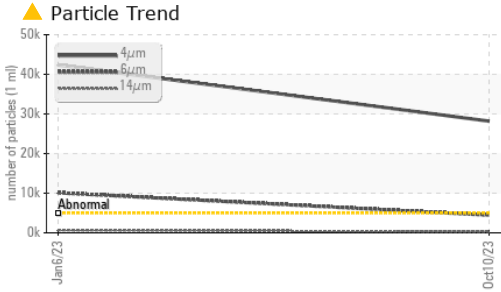
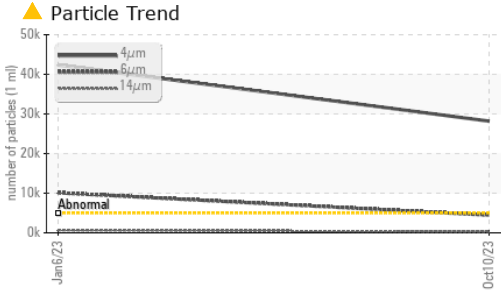
FLUID CLEANLINESS

| method | limit/base | current | history1 | history2 |
|-----------------|------------------------|-------------------|------------|----------|
| Particles >4µm | ASTM D7647 >5000 | ▲ 28185 | ▲ 42365 | --- |
| Particles >6µm | ASTM D7647 >1300 | ▲ 4452 | ▲ 10096 | --- |
| Particles >14µm | ASTM D7647 >160 | ▲ 269 | ▲ 645 | --- |
| Particles >21µm | ASTM D7647 >40 | ▲ 72 | ▲ 122 | --- |
| Particles >38µm | ASTM D7647 >10 | 3 | 2 | --- |
| Particles >71µm | ASTM D7647 >3 | 0 | 0 | --- |
| Oil Cleanliness | ISO 4406 (c) >19/17/14 | ▲ 22/19/15 | ▲ 23/21/17 | --- |

FLUID DEGRADATION

| method | limit/base | current | history1 | history2 | |
|------------------|------------|-----------------|-------------|----------|-----|
| Acid Number (AN) | mg KOH/g | ASTM D8045 0.26 | 0.31 | 0.32 | --- |

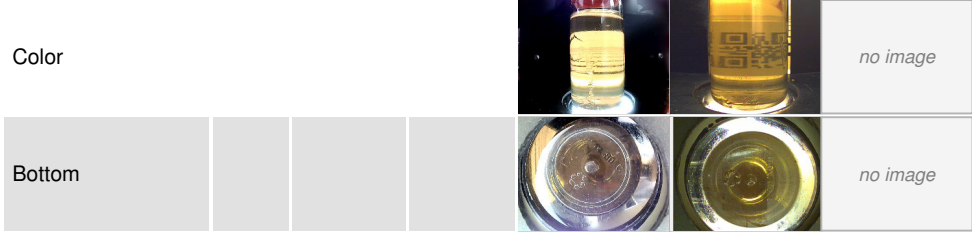
OIL ANALYSIS REPORT



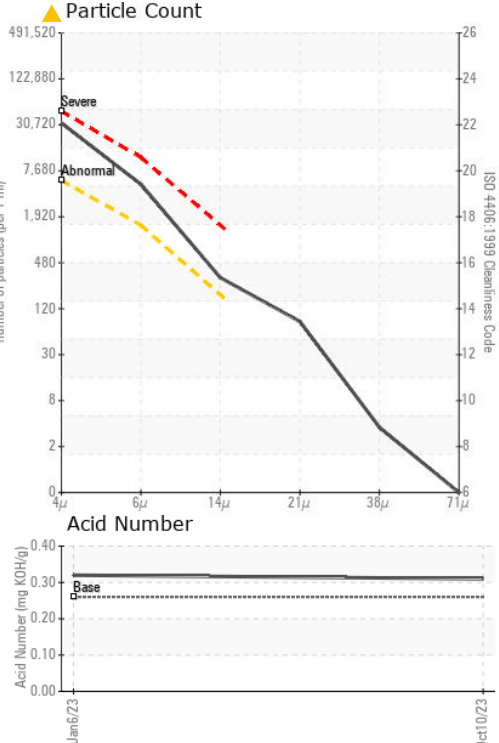
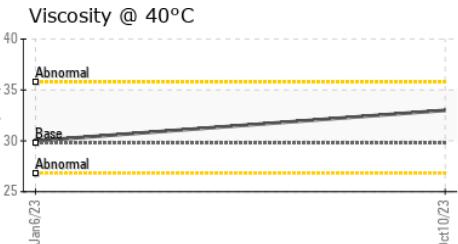
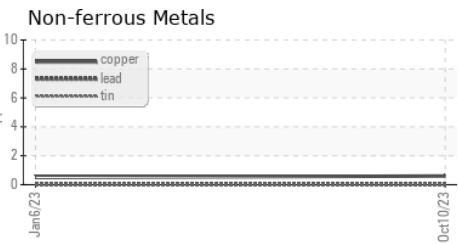
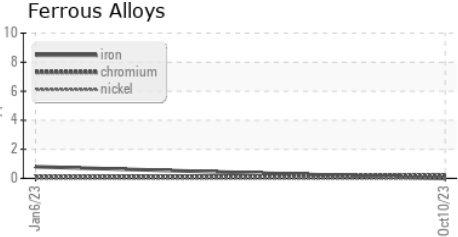
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- |
| Precipitate | scalar | *Visual | NONE | NONE | --- |
| 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 | >0.05 | NEG | --- |
| Free Water | scalar | *Visual | | NEG | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 29.77 | 33.0 | 30.0 |

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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0090062 **Received** : 11 Oct 2023
Lab Number : 05975701 **Diagnosed** : 13 Oct 2023
Unique Number : 10687651 **Diagnostician** : Don Baldrige
Test Package : IND 2

AISIN CHEMICAL
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 US 47229
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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)