

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
NOT GIVEN PCA0104050
 Component
Hydraulic System
 Fluid
PETRO CANADA HYDREX AW 46 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 |
|---------------|-----------------|--------------------|----------|----------|
| Sample Number | Client Info | PCA0104050 | --- | --- |
| Sample Date | Client Info | 24 Aug 2023 | --- | --- |
| Machine Age | hrs Client Info | 0 | --- | --- |
| Oil Age | hrs Client Info | 0 | --- | --- |
| Oil Changed | Client Info | N/A | --- | --- |
| Sample Status | | NORMAL | --- | --- |

WEAR METALS

| method | limit/base | current | history1 | history2 |
|--------------------------|------------|--------------|----------|----------|
| Iron ppm ASTM D5185m | >20 | 3 | --- | --- |
| Chromium ppm ASTM D5185m | >20 | 0 | --- | --- |
| Nickel ppm ASTM D5185m | >20 | 0 | --- | --- |
| Titanium ppm ASTM D5185m | | 0 | --- | --- |
| Silver ppm ASTM D5185m | | 0 | --- | --- |
| Aluminum ppm ASTM D5185m | >20 | 0 | --- | --- |
| Lead ppm ASTM D5185m | >20 | 0 | --- | --- |
| Copper ppm ASTM D5185m | >20 | 2 | --- | --- |
| 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 | 0 | --- | --- |
| Barium ppm ASTM D5185m | 0 | 0 | --- | --- |
| Molybdenum ppm ASTM D5185m | 0 | 0 | --- | --- |
| Manganese ppm ASTM D5185m | 0 | 0 | --- | --- |
| Magnesium ppm ASTM D5185m | 0 | 6 | --- | --- |
| Calcium ppm ASTM D5185m | 50 | 10 | --- | --- |
| Phosphorus ppm ASTM D5185m | 330 | 569 | --- | --- |
| Zinc ppm ASTM D5185m | 430 | 51 | --- | --- |
| Sulfur ppm ASTM D5185m | 760 | 2040 | --- | --- |

CONTAMINANTS

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

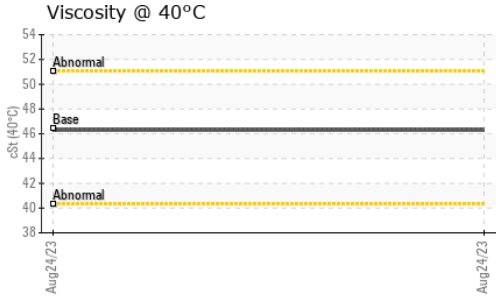
VISUAL

| 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

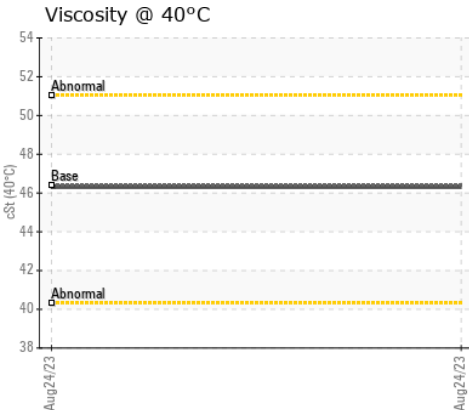
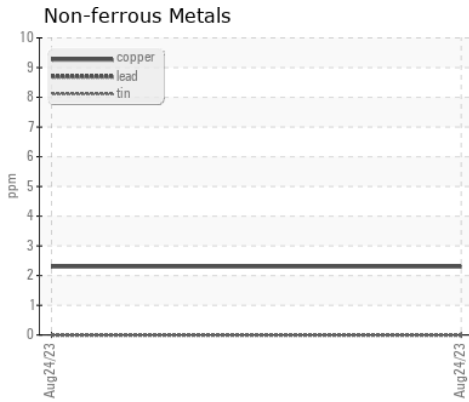
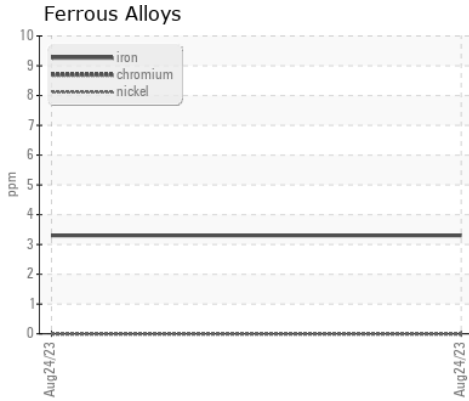
| method | limit/base | current | history1 | history2 |
|---------------------------|------------|-------------|----------|----------|
| Visc @ 40°C cSt ASTM D445 | 46.4 | 46.3 | --- | --- |

OIL ANALYSIS REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0104050 **Received** : 25 Aug 2023
Lab Number : **05935089** **Diagnosed** : 28 Aug 2023
Unique Number : 10620360 **Diagnostician** : Don Baldrige
Test Package : IND 1

TREND TECHNOLOGIES
 737 FARGO AVE
 ELK GROVE VILLAGE, IL
 US 60007
 Contact: ROB GABL
 rgabl@trendtechnologies.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)

T:
F: