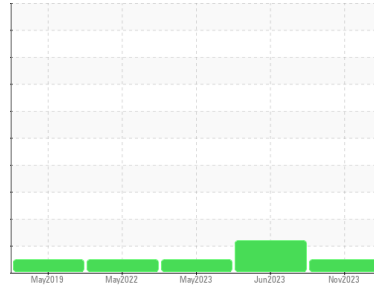


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
SEW HORIZONTAL MIXER
 Component
Gearbox
 Fluid
PETRO CANADA ENDURATEX EP 320 (55 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 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 | PCA06005824 | PCA0043546 | PCA0043545 |
| Sample Date | Client Info | 12 Nov 2023 | 14 Jun 2023 | 10 May 2023 |
| Machine Age | yrs Client Info | 0 | 0 | 0 |
| Oil Age | yrs Client Info | 0 | 0 | 0 |
| Oil Changed | Client Info | N/A | N/A | N/A |
| Sample Status | | NORMAL | ABNORMAL | NORMAL |

WEAR METALS

| method | limit/base | current | history1 | history2 |
|-----------|----------------------|--------------|----------|----------|
| Iron | ppm ASTM D5185m >200 | 167 | 105 | 98 |
| Chromium | ppm ASTM D5185m >15 | <1 | <1 | <1 |
| Nickel | ppm ASTM D5185m >15 | 0 | 1 | 0 |
| Titanium | ppm ASTM D5185m | 1 | <1 | <1 |
| Silver | ppm ASTM D5185m | <1 | 0 | 0 |
| Aluminum | ppm ASTM D5185m >25 | 2 | 1 | 0 |
| Lead | ppm ASTM D5185m >100 | <1 | 2 | 2 |
| Copper | ppm ASTM D5185m >200 | <1 | <1 | 1 |
| Tin | ppm ASTM D5185m >25 | 0 | <1 | 0 |
| Antimony | ppm ASTM D5185m >5 | --- | --- | --- |
| Vanadium | ppm ASTM D5185m | 0 | <1 | 0 |
| Beryllium | ppm ASTM D5185m | --- | --- | --- |
| Cadmium | ppm ASTM D5185m | 0 | 0 | 0 |

ADDITIVES

| method | limit/base | current | history1 | history2 |
|------------|-----------------------|--------------|----------|----------|
| Boron | ppm ASTM D5185m 55 | 73 | 40 | 33 |
| Barium | ppm ASTM D5185m 0 | 6 | 1 | 0 |
| Molybdenum | ppm ASTM D5185m 0 | <1 | <1 | 0 |
| Manganese | ppm ASTM D5185m 0 | <1 | <1 | <1 |
| Magnesium | ppm ASTM D5185m 0 | 1 | 2 | <1 |
| Calcium | ppm ASTM D5185m 0 | 4 | 1 | <1 |
| Phosphorus | ppm ASTM D5185m 240 | 388 | 275 | 249 |
| Zinc | ppm ASTM D5185m 1 | 40 | 21 | 25 |
| Sulfur | ppm ASTM D5185m 13700 | 11615 | 7135 | 5821 |
| Lithium | ppm ASTM D5185m | --- | --- | --- |

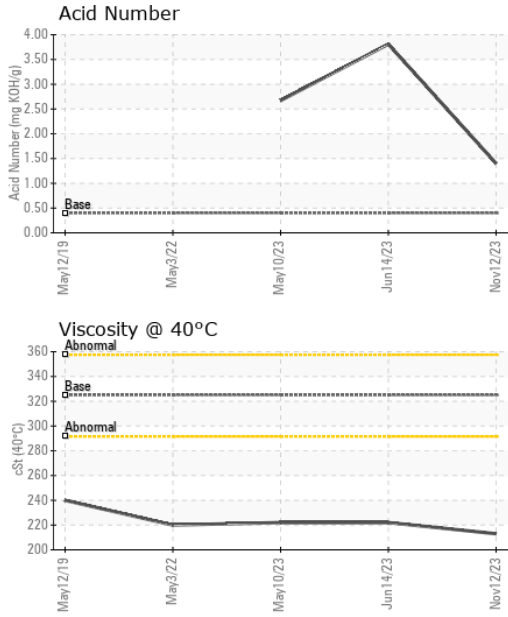
CONTAMINANTS

| method | limit/base | current | history1 | history2 |
|-----------|---------------------|-----------|----------|----------|
| Silicon | ppm ASTM D5185m >50 | 16 | 4 | 7 |
| Sodium | ppm ASTM D5185m | 0 | 2 | <1 |
| Potassium | ppm ASTM D5185m >20 | 2 | 2 | <1 |

FLUID DEGRADATION

| method | limit/base | current | history1 | history2 |
|------------------|-------------------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g ASTM D8045 0.4 | 1.40 | ▲ 3.81 | 2.671 |

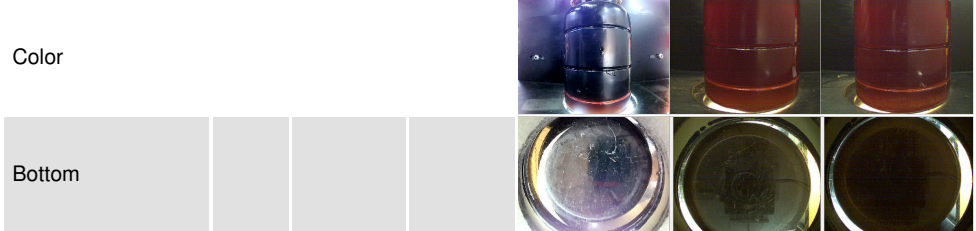
OIL ANALYSIS REPORT



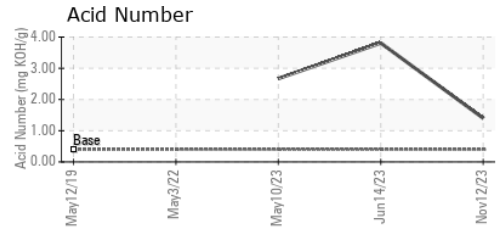
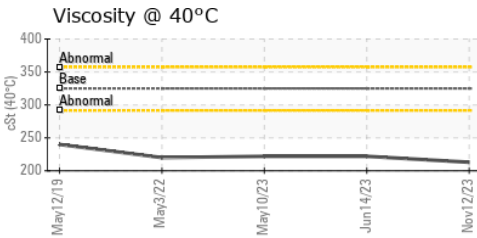
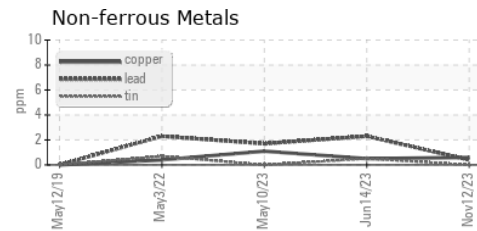
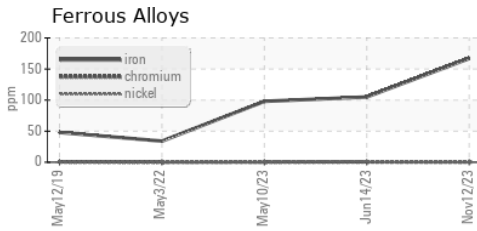
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE |
| Silt | scalar | *Visual | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | LIGHT | LIGHT |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG |
| Free Water | scalar | *Visual | | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 325 | 213 | 222 |

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



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA06005824 **Received** : 13 Nov 2023
Lab Number : 06005824 **Diagnosed** : 15 Nov 2023
Unique Number : 10739586 **Diagnostician** : Jonathan Hester
Test Package : IND 2

CERTAINTED ROOFING
 100 CERTAINTED DR
 JONESBURG, MO
 US 63351

Contact: Jeff Montgomery
 jeffrey.d.montgomery@saint-gobain.com
 T: (952)261-9532

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)

F: