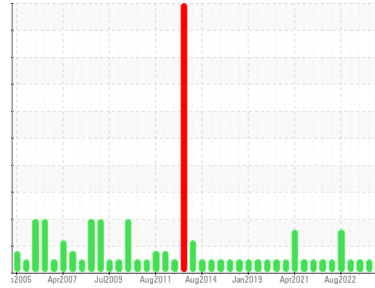




OIL ANALYSIS REPORT

Sample Rating Trend



Area
SPLITTER 1
 Machine Id
078CM12004
 Component
Turbine
 Fluid
ROYAL PURPLE SYNFILM GT 32 (250 GAL)

DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.

Wear
 All component wear rates are normal.

Contamination
 The amount and size of particulates present in the system are acceptable. 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 | | RP0027135 | RP0027124 | RP0019533 |
| Sample Date | Client Info | | 18 Jul 2023 | 12 Apr 2023 | 16 Jan 2023 |
| Machine Age | hrs | Client Info | 0 | 0 | 0 |
| Oil Age | hrs | Client Info | 0 | 0 | 0 |
| Oil Changed | Client Info | | N/A | N/A | N/A |
| Sample Status | | | NORMAL | NORMAL | NORMAL |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|-----------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >15 | <1 | 0 | <1 |
| Chromium | ppm | ASTM D5185m >4 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185m >2 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m >10 | 1 | 0 | 0 |
| Lead | ppm | ASTM D5185m | <1 | 0 | 0 |
| Copper | ppm | ASTM D5185m >5 | 41 | 20 | 12 |
| Tin | ppm | ASTM D5185m >5 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | 0 | 0 | 0 |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|-----------|----------|----------|
| Boron | ppm | ASTM D5185m | 0 | 0 | 0 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | 0 | <1 | 0 |
| Magnesium | ppm | ASTM D5185m | 73 | 72 | 77 |
| Calcium | ppm | ASTM D5185m | 1 | <1 | 1 |
| Phosphorus | ppm | ASTM D5185m | 0 | <1 | 39 |
| Zinc | ppm | ASTM D5185m | 0 | 0 | 13 |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|------------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m >15 | 0 | <1 | <1 |
| Sodium | ppm | ASTM D5185m | 0 | 2 | 1 |
| Potassium | ppm | ASTM D5185m >20 | <1 | 1 | 0 |
| Water | % | ASTM D6304 >0.03 | 0.018 | 0.021 | 0.015 |
| ppm Water | ppm | ASTM D6304 >300 | 188.6 | 213.4 | 150.3 |

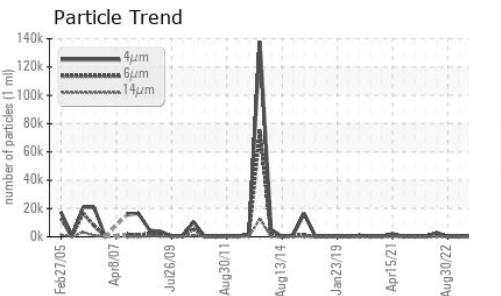
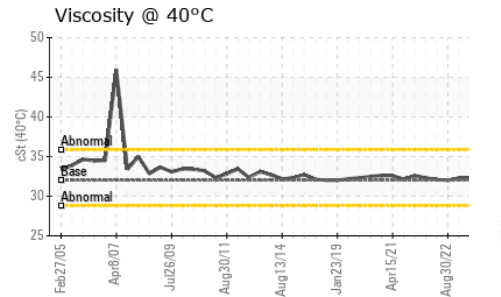
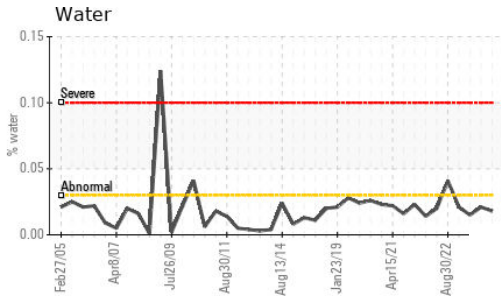
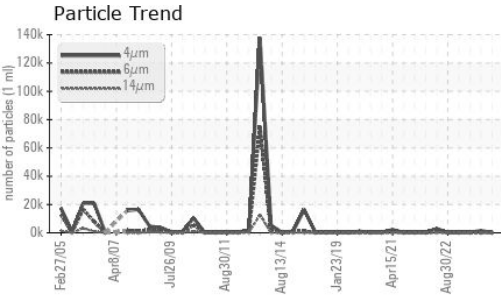
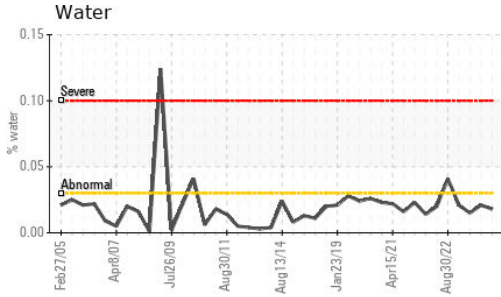
FLUID CLEANLINESS

| | method | limit/base | current | history1 | history2 |
|-----------------|------------------|------------|-----------------|----------|----------|
| Particles >4µm | ASTM D7647 | | 61 | 1607 | 342 |
| Particles >6µm | ASTM D7647 >1300 | | 26 | 179 | 98 |
| Particles >14µm | ASTM D7647 >160 | | 5 | 27 | 12 |
| Particles >21µm | ASTM D7647 >40 | | 3 | 12 | 6 |
| Particles >38µm | ASTM D7647 >10 | | 0 | 1 | 0 |
| Particles >71µm | ASTM D7647 >3 | | 0 | 0 | 0 |
| Oil Cleanliness | ISO 4406 (c) | >--/17/14 | 13/12/10 | 18/15/12 | 16/14/11 |

FLUID DEGRADATION

| | method | limit/base | current | history1 | history2 |
|------------------|----------|------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.36 | 0.36 | 0.40 |

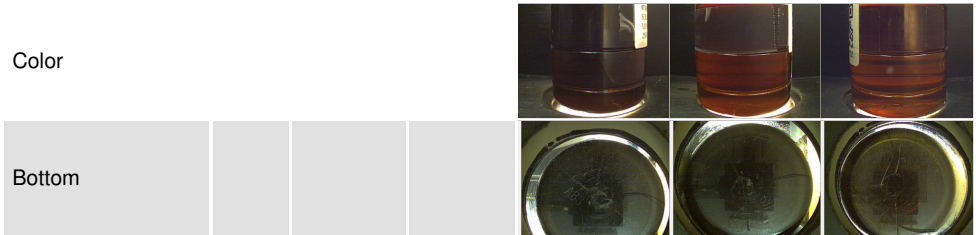
OIL ANALYSIS REPORT



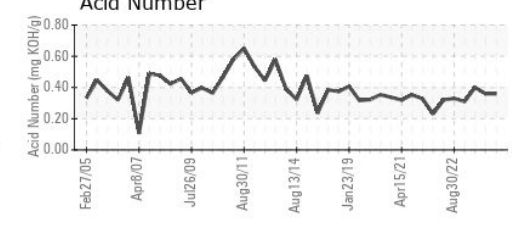
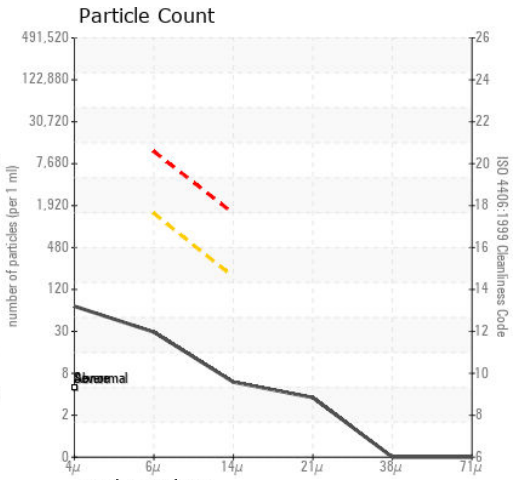
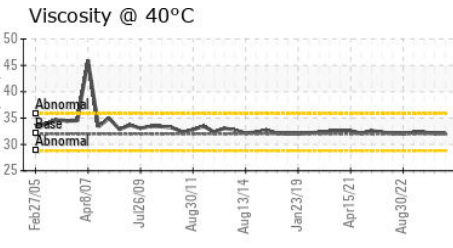
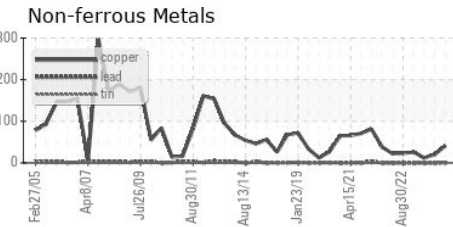
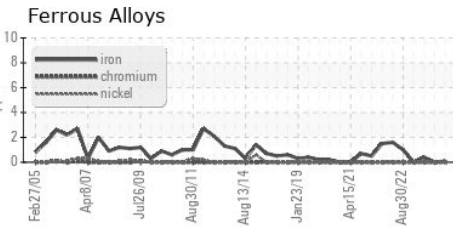
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE |
| Silt | scalar | *Visual | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.03 | NEG | NEG |
| Free Water | scalar | *Visual | | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 32 | 32.1 | 32.3 |

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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0027135 **Received** : 19 Jul 2023
Lab Number : 05902288 **Diagnosed** : 21 Jul 2023
Unique Number : 10563644 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: PrtCount)

ENTERPRISE PRODUCTS
P.O. BOX 573
MONT BELVIEU, TX
US 77580
Contact: TOMMY EDWARDS
tedwards@eprod.com
T: (281)217-1411
F: (281)385-4327

Certificate L2367
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)