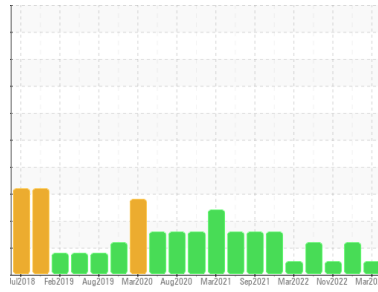


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
EDWARD PLANT
 Machine Id
C-2162 (S/N XC0600)
 Component
Refrigeration Compressor
 Fluid
TULCO LUBSOIL SYN RL WI 100 (250 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. The amount and size of particulates present in the system are acceptable.

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 | | | TO90003247 | TO90002251 | TO90002358 |
| Sample Date | Client Info | | | 14 Mar 2024 | 14 Aug 2023 | 30 Nov 2022 |
| 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 | ABNORMAL | NORMAL |

| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m | >8 | 4 | 6 | 2 |
| Chromium | ppm | ASTM D5185m | >2 | 0 | 0 | <1 |
| Nickel | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185m | >2 | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >3 | <1 | 0 | 0 |
| Lead | ppm | ASTM D5185m | >2 | <1 | 0 | 2 |
| Copper | ppm | ASTM D5185m | >8 | 2 | 1 | <1 |
| Tin | ppm | ASTM D5185m | >4 | 4 | 3 | 1 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | <1 |

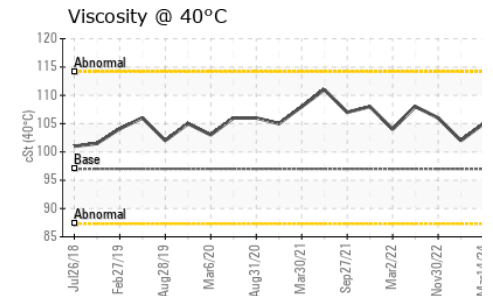
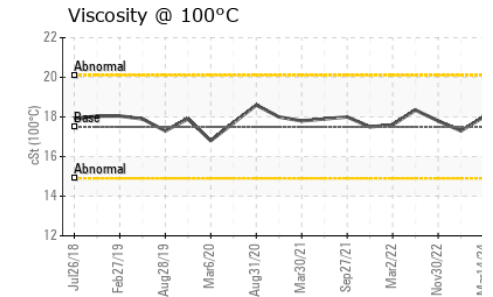
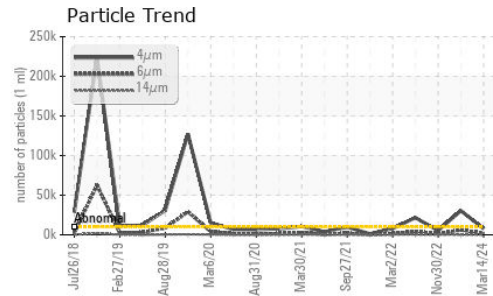
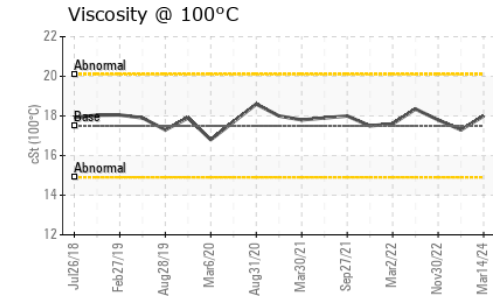
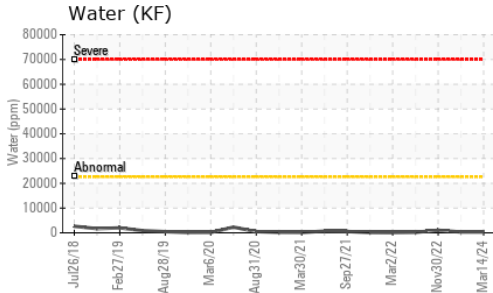
| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|-------------|------------|-------------|----------|----------|
| Boron | ppm | ASTM D5185m | | 0 | 0 | 2 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Manganese | ppm | ASTM D5185m | | 1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | | 2 | 1 | 10 |
| Calcium | ppm | ASTM D5185m | | 28 | 44 | 8 |
| Phosphorus | ppm | ASTM D5185m | 1500 | 1072 | 683 | 102 |
| Zinc | ppm | ASTM D5185m | | 0 | 0 | 6 |
| Sulfur | ppm | ASTM D5185m | | 40 | 114 | 0 |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m | >15 | 2 | 4 | 1 |
| Sodium | ppm | ASTM D5185m | | 2 | 1 | 6 |
| Potassium | ppm | ASTM D5185m | >20 | 3 | <1 | 25 |
| Water | % | ASTM D6304 | >2.26 | 0.032 | 0.033 | 0.103 |
| ppm Water | ppm | ASTM D6304 | >22600 | 325 | 333.6 | 1037.8 |

| FLUID CLEANLINESS | | method | limit/base | current | history1 | history2 |
|-------------------|--|--------------|------------|-----------------|------------|----------|
| Particles >4µm | | ASTM D7647 | >10000 | 7742 | ▲ 30352 | 5264 |
| Particles >6µm | | ASTM D7647 | >2500 | 1968 | ▲ 6049 | 1355 |
| Particles >14µm | | ASTM D7647 | >320 | 109 | 219 | 80 |
| Particles >21µm | | ASTM D7647 | >80 | 21 | 42 | 14 |
| Particles >38µm | | ASTM D7647 | >20 | 0 | 1 | 1 |
| Particles >71µm | | ASTM D7647 | >4 | 0 | 0 | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >20/18/15 | 20/18/14 | ▲ 22/20/15 | 20/18/13 |

| FLUID DEGRADATION | | method | limit/base | current | history1 | history2 |
|-------------------|----------|-----------|------------|--------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D974 | 0.04 | 0.085 | 0.03 | 0.072 |

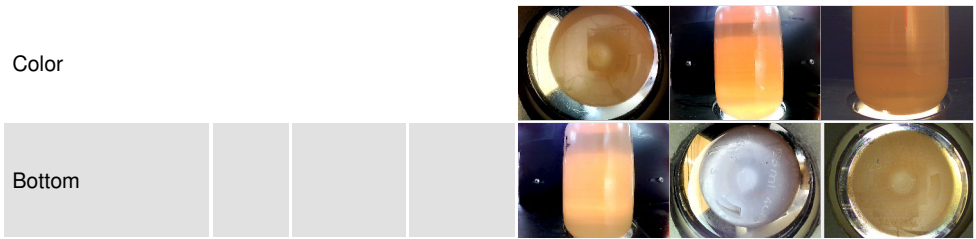
OIL ANALYSIS REPORT



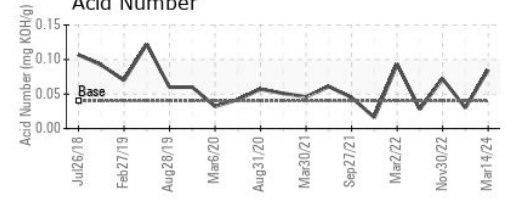
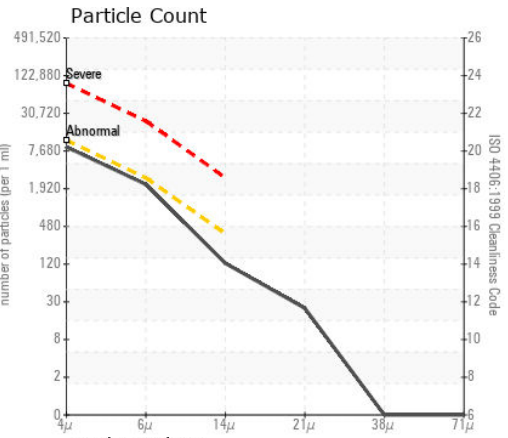
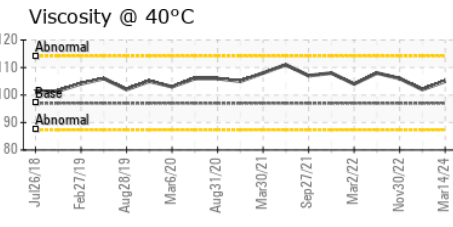
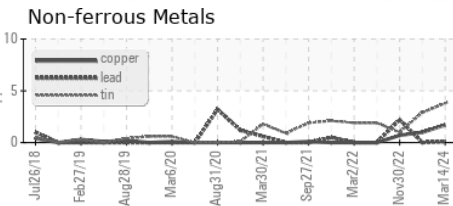
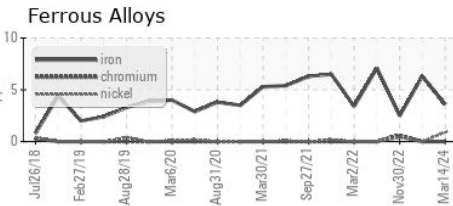
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | 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 | >2.26 | NEG | NEG |
| Free Water | scalar | *Visual | | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|----------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 97 | 105 | 102 |
| Visc @ 100°C | cSt | ASTM D445 | 17.5 | 18.0 | 17.3 |
| Viscosity Index (VI) | Scale | ASTM D2270 | 198 | 190 | 186 |

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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO90003247 **Received** : 16 Apr 2024
Lab Number : 06150502 **Tested** : 17 Apr 2024
Unique Number : 10980580 **Diagnosed** : 18 Apr 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: KV100, PrtCount, VI)

TARGA RESOURCES - EDWARD
 1757 COUNTY ROAD 250
 MIDKIFF, TX
 US 79755
 Contact: BRANDON CERVANTES
 bcervantes@targaresources.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)