



OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Machine Id
C1102B (S/N 960231B)
 Component
Compressor
 Fluid
CHEVRON CETUS PAO ISO 100 (--- GAL)



DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.
 Chlorine 72.2 ppm.

Wear
 All component wear rates are normal.

Contamination
 There is a moderate amount of silt (particulates < 14 microns in size) 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 | USP0008184 | --- | --- |
| Sample Date | Client Info | 26 Mar 2024 | --- | --- |
| Machine Age | hrs Client Info | 0 | --- | --- |
| Oil Age | hrs Client Info | 0 | --- | --- |
| Oil Changed | Client Info | N/A | --- | --- |
| Sample Status | | ATTENTION | --- | --- |

WEAR METALS

| method | limit/base | current | history1 | history2 |
|--------------------------|------------|--------------|----------|----------|
| Iron ppm ASTM D5185m | >50 | 4 | --- | --- |
| Chromium ppm ASTM D5185m | >10 | <1 | --- | --- |
| Nickel ppm ASTM D5185m | | 0 | --- | --- |
| Titanium ppm ASTM D5185m | | 0 | --- | --- |
| Silver ppm ASTM D5185m | | 0 | --- | --- |
| Aluminum ppm ASTM D5185m | >25 | 0 | --- | --- |
| Lead ppm ASTM D5185m | >25 | 0 | --- | --- |
| Copper ppm ASTM D5185m | >50 | 2 | --- | --- |
| Tin ppm ASTM D5185m | >15 | 0 | --- | --- |
| Vanadium ppm ASTM D5185m | | 0 | --- | --- |
| Cadmium ppm ASTM D5185m | | 0 | --- | --- |

ADDITIVES

| method | limit/base | current | history1 | history2 |
|----------------------------|------------|--------------|----------|----------|
| Boron ppm ASTM D5185m | | 0 | --- | --- |
| Barium ppm ASTM D5185m | | 0 | --- | --- |
| Molybdenum ppm ASTM D5185m | | 0 | --- | --- |
| Manganese ppm ASTM D5185m | | <1 | --- | --- |
| Magnesium ppm ASTM D5185m | | 0 | --- | --- |
| Calcium ppm ASTM D5185m | | <1 | --- | --- |
| Phosphorus ppm ASTM D5185m | | 409 | --- | --- |
| Zinc ppm ASTM D5185m | | 0 | --- | --- |
| Sulfur ppm ASTM D5185m | | 1683 | --- | --- |

CONTAMINANTS

| method | limit/base | current | history1 | history2 |
|----------------------------------|------------|--------------|----------|----------|
| Silicon ppm ASTM D5185m | >25 | 5 | --- | --- |
| Sodium ppm ASTM D5185m | | 0 | --- | --- |
| Potassium ppm ASTM D5185m | >20 | 0 | --- | --- |
| Chlorine Content ppm ASTM D5185m | | 72.2 | --- | --- |
| Water % ASTM D6304 | >0.1 | 0.003 | --- | --- |
| ppm Water ppm ASTM D6304 | >1000 | 26 | --- | --- |

FLUID CLEANLINESS

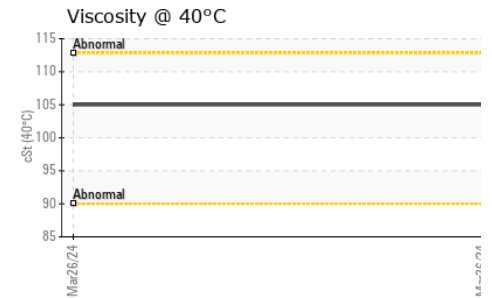
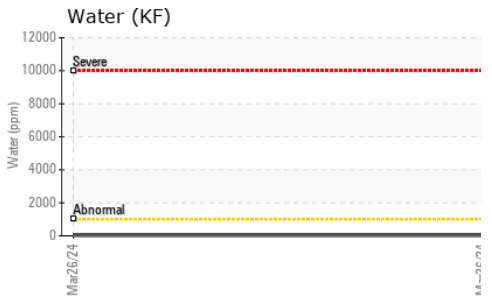
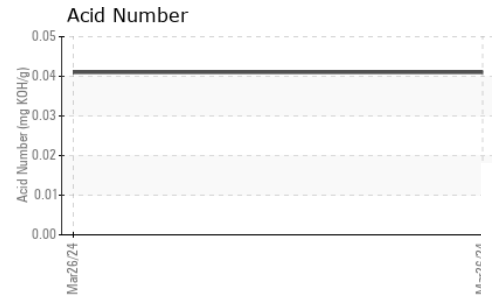
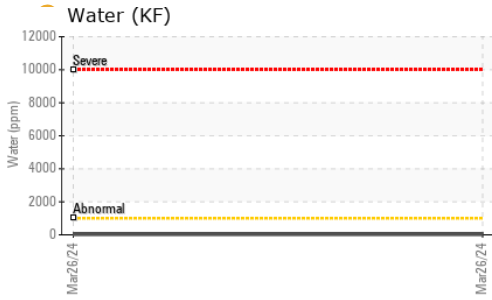
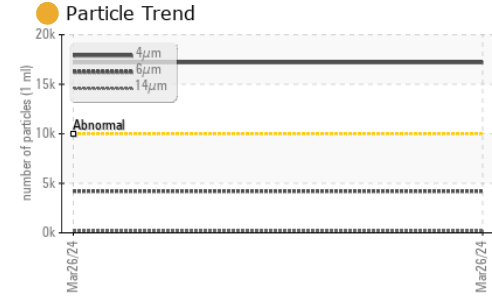
| method | limit/base | current | history1 | history2 |
|------------------------------|------------|-----------------|----------|----------|
| Particles >4µm ASTM D7647 | >10000 | 17194 | --- | --- |
| Particles >6µm ASTM D7647 | >2500 | 4201 | --- | --- |
| Particles >14µm ASTM D7647 | >320 | 177 | --- | --- |
| Particles >21µm ASTM D7647 | >80 | 42 | --- | --- |
| Particles >38µm ASTM D7647 | >20 | 1 | --- | --- |
| Particles >71µm ASTM D7647 | >4 | 0 | --- | --- |
| Oil Cleanliness ISO 4406 (c) | >20/18/15 | 21/19/15 | --- | --- |

FLUID DEGRADATION

| method | limit/base | current | history1 | history2 |
|--------------------------------------|------------|--------------|----------|----------|
| Acid Number (AN) mg KOH/g ASTM D8045 | | 0.041 | --- | --- |



OIL ANALYSIS REPORT



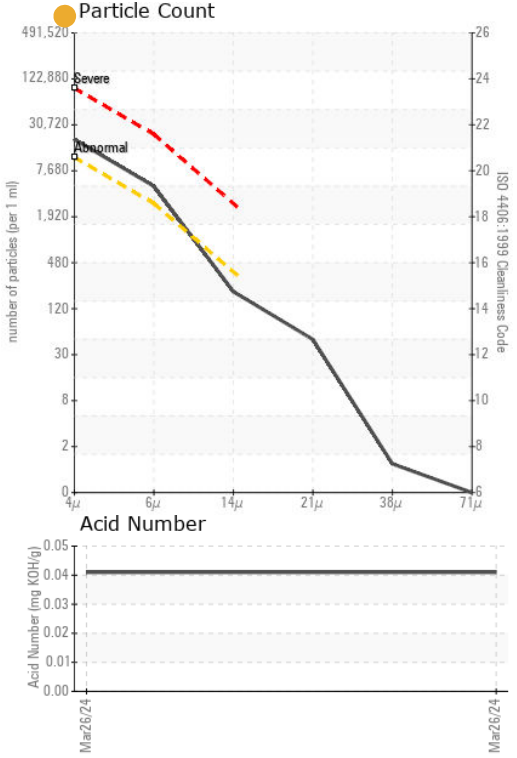
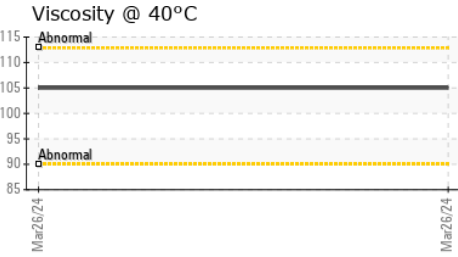
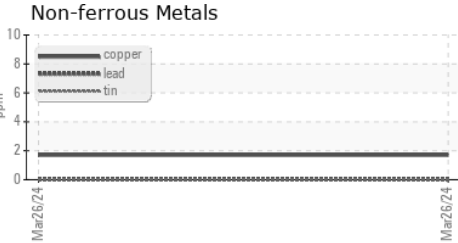
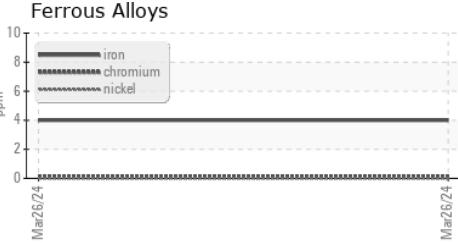
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- |
| Precipitate | scalar | *Visual | NONE | NONE | --- |
| Silt | scalar | *Visual | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | LIGHT | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | --- |
| Free Water | scalar | *Visual | | NEG | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 105 | --- | --- |

| 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. : USP0008184
 Lab Number : 06135026
 Unique Number : 10954491
 Test Package : IND 2 (Additional Tests: CHLORINEXRF)

REC SILICON MATERIALS
 119140 RICK JONES WAY
 SILVER BOW, MT
 US 59750
 Contact: Service Manager

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)

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F: