



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

| | |
|-----------------|--------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Machine Id
10TAF LGF3PS822106

Component
3 Differential

Fluid
TRC MOLY ULTRA-TEC GEAR OIL 85W140 (10 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number | | Client Info | | TR0001405 | --- | --- |
| Sample Date | | Client Info | | 10 Apr 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 1733 | --- | --- |
| Oil Age | hrs | Client Info | | 1733 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Not Changd | --- | --- |
| Filter Changed | | Client Info | | N/A | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|------|-----|-----|
| Iron | ppm | ASTM D5185m | >500 | 130 | --- | --- |
| Chromium | ppm | ASTM D5185m | >10 | 2 | --- | --- |
| Nickel | ppm | ASTM D5185m | >10 | 6 | --- | --- |
| Titanium | ppm | ASTM D5185m | | <1 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 2 | --- | --- |
| Lead | ppm | ASTM D5185m | >25 | <1 | --- | --- |
| Copper | ppm | ASTM D5185m | >100 | 1 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

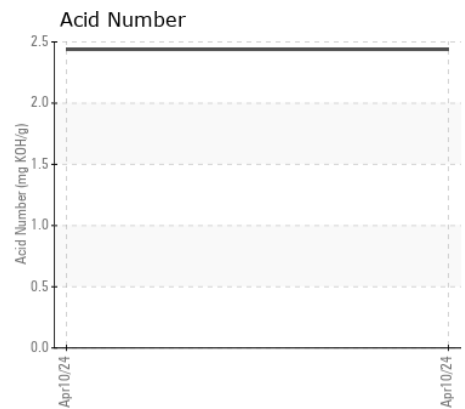
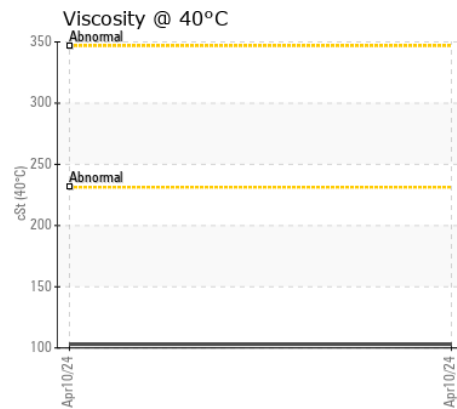
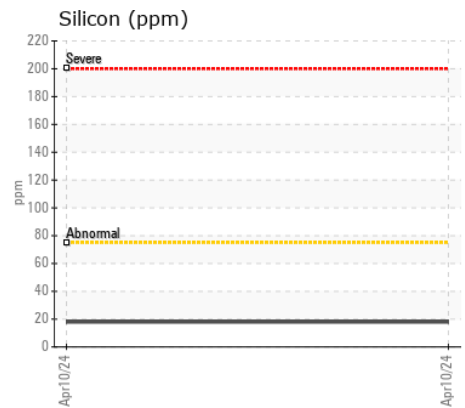
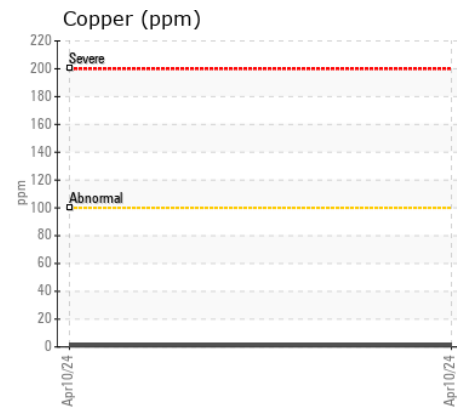
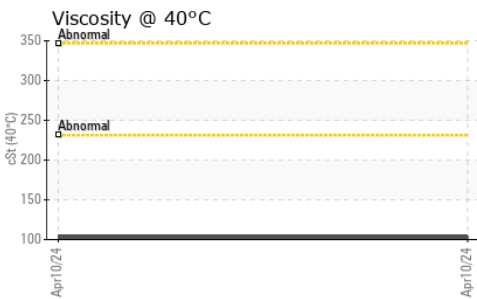
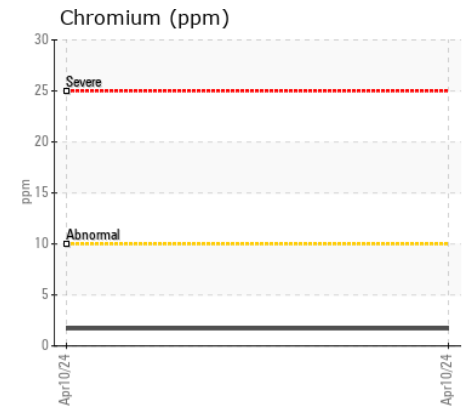
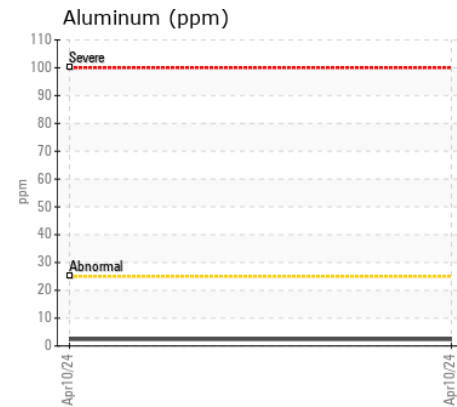
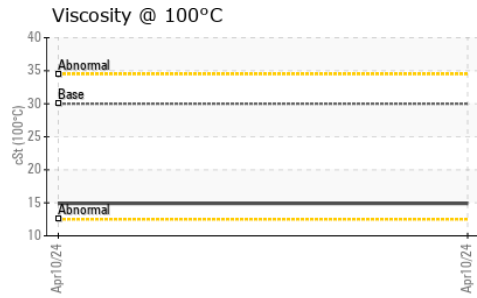
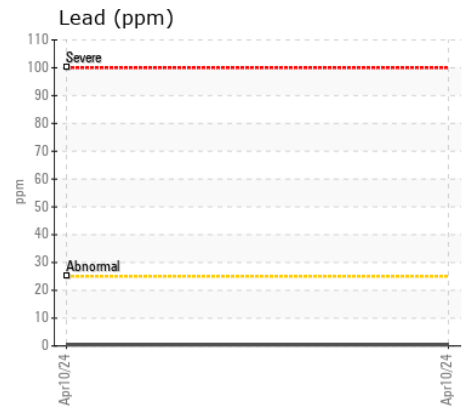
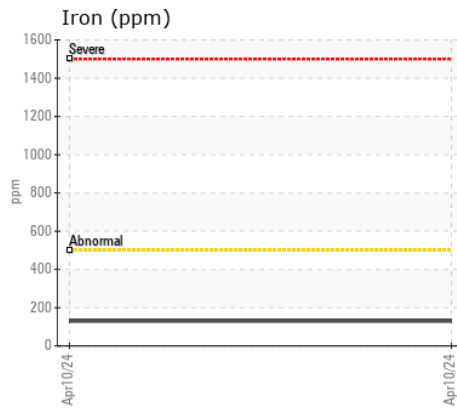
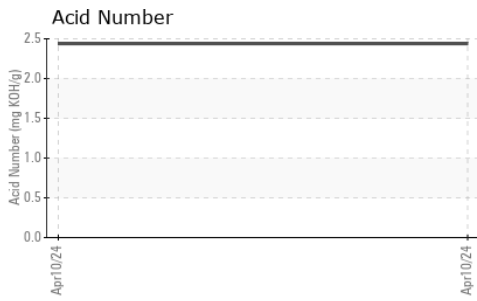
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|-------|-----|-----|
| Silicon | ppm | ASTM D5185m | >75 | 18 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 3 | --- | --- |
| Water | | WC Method | >.2 | NEG | --- | --- |
| 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 | >.2 | NEG | --- | --- |

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| | | | | | | |
|----------------------|----------|-------------|-----|-------|-----|-----|
| Sodium | ppm | ASTM D5185m | | 4 | --- | --- |
| Boron | ppm | ASTM D5185m | | 319 | --- | --- |
| Barium | ppm | ASTM D5185m | | <1 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 1 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 11 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | 4 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 21 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | | 1620 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 15 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 28460 | --- | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 2.44 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 103 | --- | --- |
| Visc @ 100°C | cSt | ASTM D445 | 30 | 14.9 | --- | --- |
| Viscosity Index (VI) | Scale | ASTM D2270 | 105 | 150 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR0001405
Lab Number : 06148143
Unique Number : 10978221
Test Package : MOB 2 (Additional Tests: KV100, VI)

S S CONCRETE MATERIALS LLC
 P.O. BOX 23283
 BULLHEAD CITY, AZ
 US 86439
 Contact: SNS INVENTORY
 snsinventory@yahoo.com

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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:
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