



OIL ANALYSIS REPORT

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

Machine Id
TEREX T335 TC3027 (S/N 13027)
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL 10W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | HPL0004962 | HPL0002957 | HPL0002110 |
| Sample Date | | Client Info | | 11 Jun 2024 | 30 Jun 2023 | 23 Sep 2022 |
| Machine Age | mls | Client Info | | 17192 | 16924 | 16574 |
| Oil Age | mls | Client Info | | 0 | 0 | 0 |
| Filter Age | mls | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | ABNORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >100 | 56 | 38 | 34 |
| Chromium | ppm | ASTM D5185m | >20 | 3 | 4 | 1 |
| Nickel | ppm | ASTM D5185m | >4 | 0 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Silver | ppm | ASTM D5185m | >3 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >20 | 6 | 8 | 2 |
| Lead | ppm | ASTM D5185m | >40 | 5 | 4 | <1 |
| Copper | ppm | ASTM D5185m | >330 | 7 | 20 | 3 |
| Tin | ppm | ASTM D5185m | >15 | <1 | 3 | 0 |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

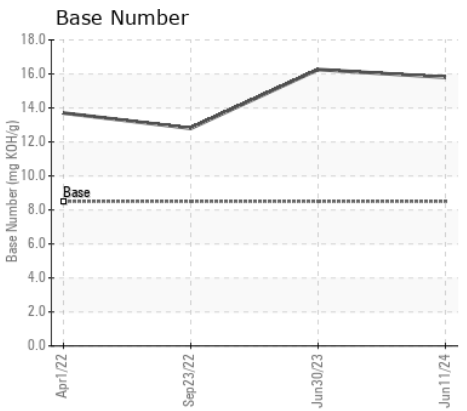
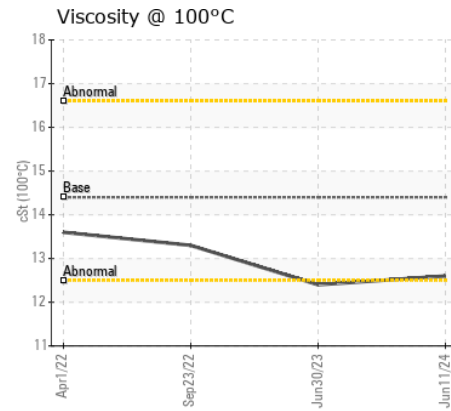
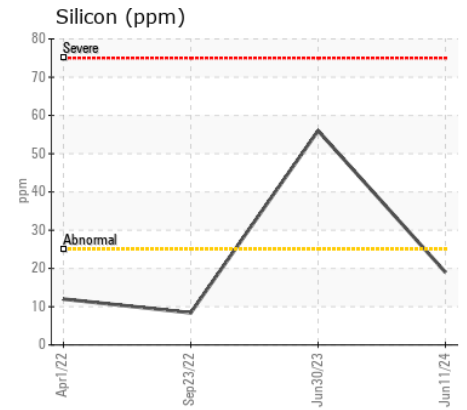
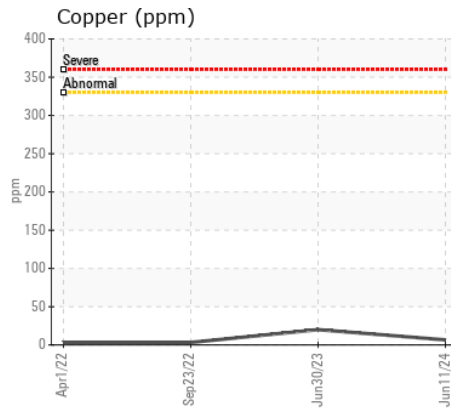
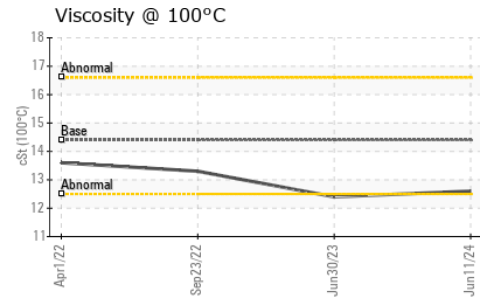
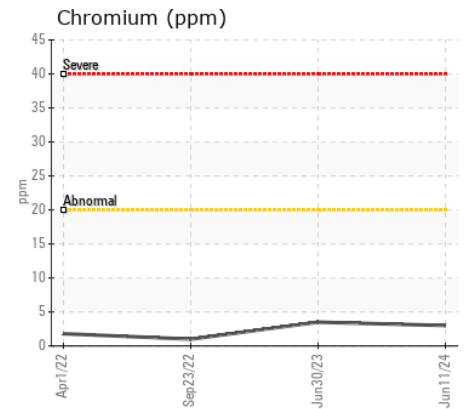
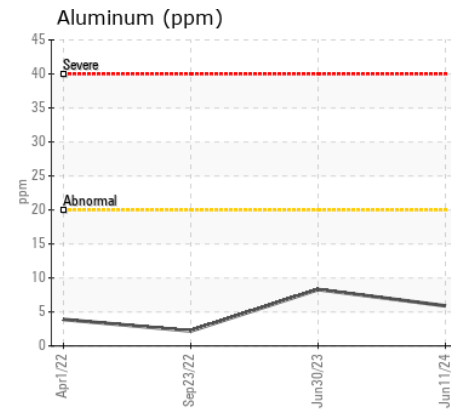
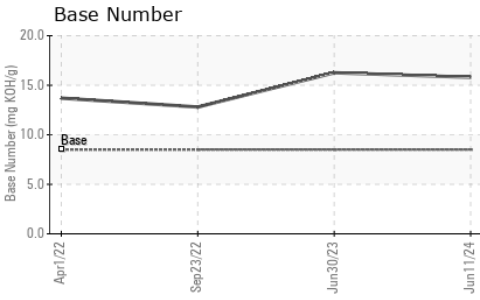
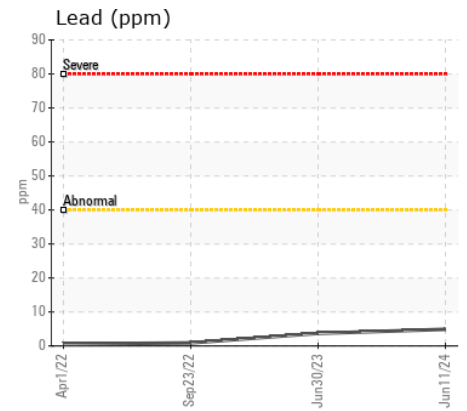
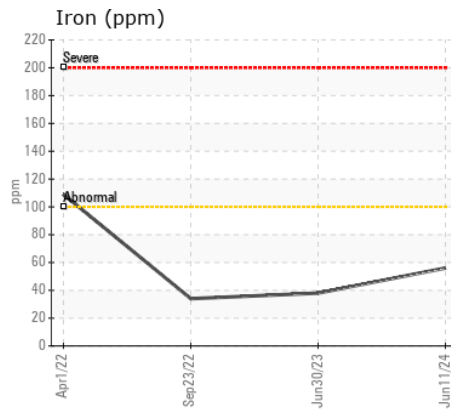
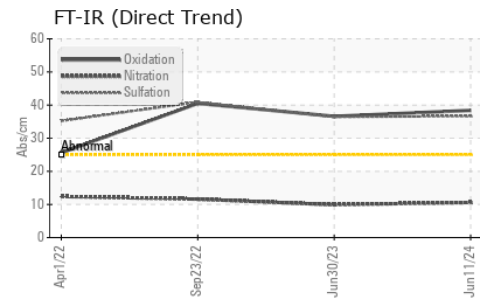
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|----------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >25 | 19 | ▲ 56 | 8 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | 5 | 0 |
| Fuel | | WC Method | >5 | <1.0 | 1.8 | <1.0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| Soot % | % | *ASTM D7844 | >3 | 0.6 | 0.4 | 0.9 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 10.6 | 9.9 | 11.6 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 36.6 | 36.4 | 40.9 |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | NEG |

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

| | | | | | | |
|------------------|----------|-------------|------|--------------|--------|------|
| Sodium | ppm | ASTM D5185m | | 5 | 7 | 0 |
| Boron | ppm | ASTM D5185m | 250 | <1 | 1 | 20 |
| Barium | ppm | ASTM D5185m | 10 | 3 | 13 | 2 |
| Molybdenum | ppm | ASTM D5185m | 100 | 586 | 553 | 542 |
| Manganese | ppm | ASTM D5185m | | 1 | 2 | <1 |
| Magnesium | ppm | ASTM D5185m | 450 | 1070 | 998 | 892 |
| Calcium | ppm | ASTM D5185m | 3000 | 2663 | 2610 | 2577 |
| Phosphorus | ppm | ASTM D5185m | 1150 | 1084 | 1080 | 976 |
| Zinc | ppm | ASTM D5185m | 1350 | 1319 | 1324 | 1222 |
| Sulfur | ppm | ASTM D5185m | 4250 | 8897 | 8699 | 9835 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 38.4 | 36.6 | 40.5 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 8.5 | 15.80 | 16.26 | 12.8 |
| Visc @ 100°C | cSt | ASTM D445 | 14.4 | 12.6 | ● 12.4 | 13.3 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : HPL0004962
Lab Number : 06214943
Unique Number : 11087807
Test Package : MOB 2

Received : 19 Jun 2024
Tested : 20 Jun 2024
Diagnosed : 21 Jun 2024 - Sean Felton

STEVENSON CRANE
 410 STEVENSON DR
 BOLINGBROOK, IL
 US 60440

Contact: DAVE KOEHNE
 davidk@stevensoncrane.com

T: (630)972-9199

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: