



OIL ANALYSIS REPORT

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

Machine Id
FORD 30144
Component
Gasoline Engine
Fluid
KENDALL GT-1 FULL SYNTHETIC MOTOR SAE 5W20 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | WC0867746 | WC0867802 | --- |
| Sample Date | | Client Info | | 08 Mar 2024 | 26 Oct 2023 | --- |
| Machine Age | mls | Client Info | | 142992 | 137267 | --- |
| Oil Age | mls | Client Info | | 5725 | 7230 | --- |
| Filter Age | mls | Client Info | | 5725 | 7230 | --- |
| Oil Changed | | Client Info | | Changed | Changed | --- |
| Filter Changed | | Client Info | | Changed | Changed | --- |
| Sample Status | | | | NORMAL | ATTENTION | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-----|
| Iron | ppm | ASTM D5185m | >150 | 22 | 13 | --- |
| Chromium | ppm | ASTM D5185m | >20 | 1 | <1 | --- |
| Nickel | ppm | ASTM D5185m | >5 | <1 | 0 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | --- |
| Silver | ppm | ASTM D5185m | >2 | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >40 | 5 | 3 | --- |
| Lead | ppm | ASTM D5185m | >50 | 1 | 0 | --- |
| Copper | ppm | ASTM D5185m | >155 | 2 | <1 | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | <1 | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

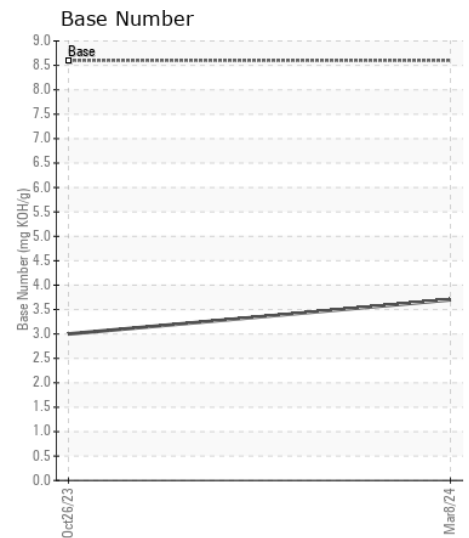
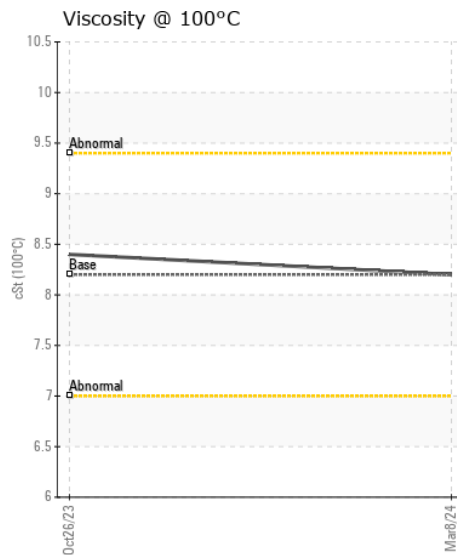
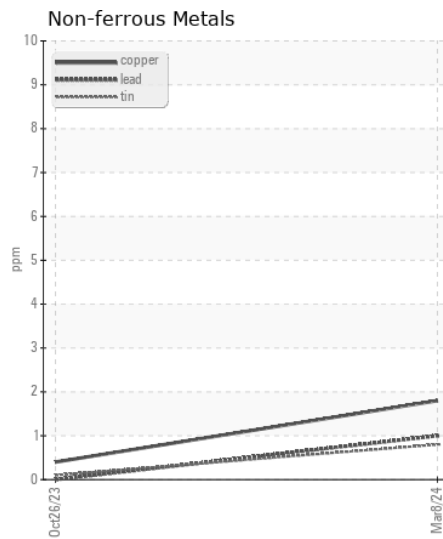
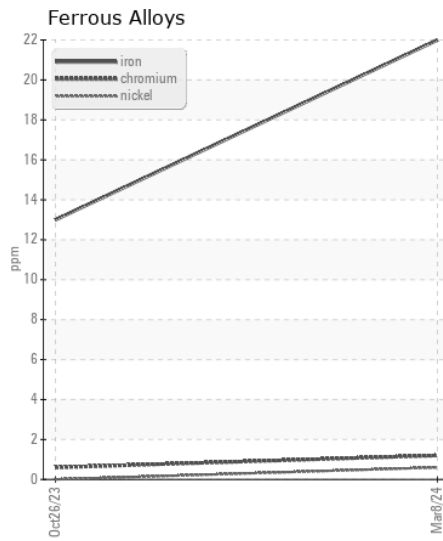
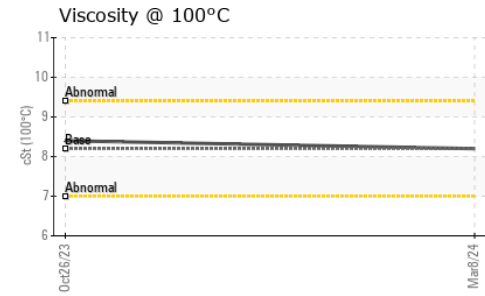
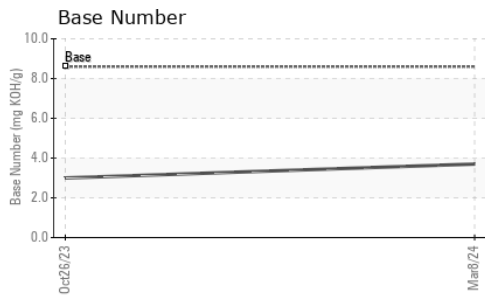
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|----------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >30 | 11 | 10 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 0 | --- |
| Fuel | | WC Method | >4.0 | <1.0 | 1.1 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Glycol | | WC Method | | NEG | NEG | --- |
| Soot % | % | *ASTM D7844 | | 0.1 | 0 | --- |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 11.5 | 11.7 | --- |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 25.4 | 25.6 | --- |
| 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 | >0.2 | 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 | >400 | 4 | 2 | --- |
| Boron | ppm | ASTM D5185m | | 39 | 25 | --- |
| Barium | ppm | ASTM D5185m | | <1 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | | 80 | 73 | --- |
| Manganese | ppm | ASTM D5185m | | 1 | <1 | --- |
| Magnesium | ppm | ASTM D5185m | | 596 | 553 | --- |
| Calcium | ppm | ASTM D5185m | | 1136 | 1010 | --- |
| Phosphorus | ppm | ASTM D5185m | 770 | 882 | 746 | --- |
| Zinc | ppm | ASTM D5185m | 850 | 937 | 850 | --- |
| Sulfur | ppm | ASTM D5185m | | 3424 | 2753 | --- |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 17.8 | 18.2 | --- |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 8.6 | 3.7 | 3.0 | --- |
| Visc @ 100°C | cSt | ASTM D445 | 8.2 | 8.2 | 8.4 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0867746
Lab Number : 06125424
Unique Number : 10939575
Test Package : FLEET

Received : 21 Mar 2024
Tested : 22 Mar 2024
Diagnosed : 22 Mar 2024 - Wes Davis

GREENEVILLE OIL & PETROLEUM INC
 860 WEST ANDREW JOHNSON HWY
 GREENEVILLE, TN
 US 37745
 Contact: SHOP
 shop@burkharterprises.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)

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F: