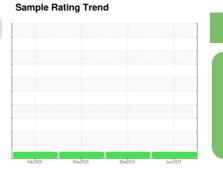


OIL ANALYSIS REPORT

LONGVIEW **GEFCO 868-2**

Left Diesel Engine

TULCO LUBSOIL CK-4 15W40 (30 GAL)





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

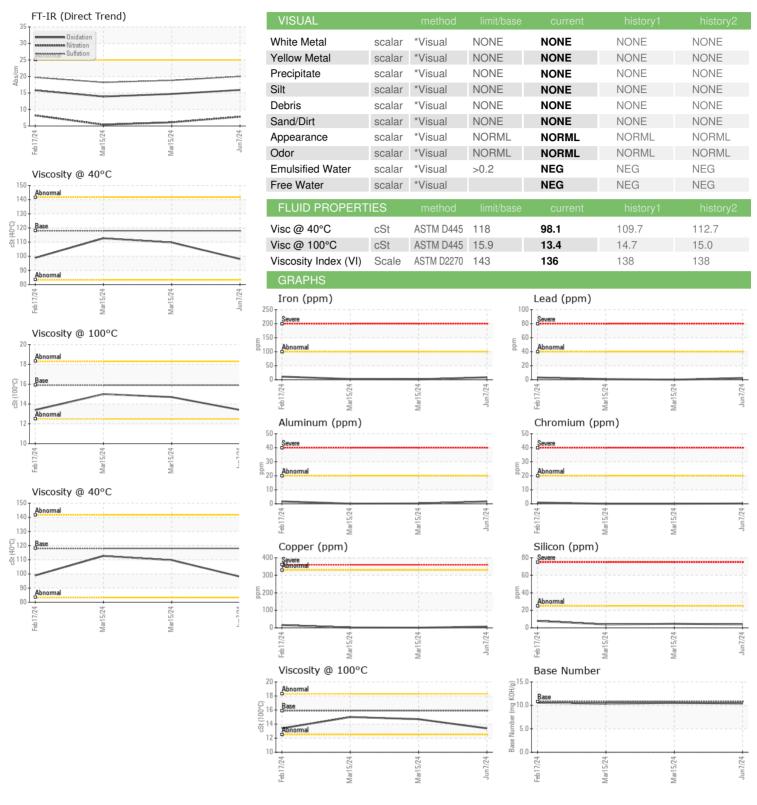
Fluid Condition

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

| | | F80202 | 4 mazuz4 | HIGE SET | un2024 | |
|---|----------|-------------|------------|-------------|-------------|-------------|
| SAMPLE INFOR | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | TO10003535 | TO10003470 | TO10003471 |
| Sample Date | | Client Info | | 07 Jun 2024 | 15 Mar 2024 | 15 Mar 2024 |
| Machine Age | hrs | Client Info | | 14258 | 13494 | 14217 |
| Oil Age | hrs | Client Info | | 764 | 1235 | 1262 |
| Oil Changed | | Client Info | | Not Changd | Changed | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |
| CONTAMINATIC | N | method | limit/base | current | history1 | history2 |
| Fuel | | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >100 | 9 | 3 | 2 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | 0 | 0 |
| Nickel | ppm | ASTM D5185m | >4 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >3 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >20 | 2 | <1 | <1 |
| Lead | ppm | ASTM D5185m | >40 | 2 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >330 | 7 | 2 | 1 |
| Tin | ppm | ASTM D5185m | >15 | <1 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | 0 | 2 | 3 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 65 | 68 | 60 | 60 |
| Manganese | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Magnesium | ppm | ASTM D5185m | 1060 | 1127 | 985 | 978 |
| Calcium | ppm | ASTM D5185m | 1140 | 1330 | 1246 | 1200 |
| Phosphorus | ppm | ASTM D5185m | 1170 | 1198 | 1127 | 1113 |
| Zinc | ppm | ASTM D5185m | 1230 | 1471 | 1400 | 1385 |
| Sulfur | ppm | ASTM D5185m | 3130 | 5021 | 4976 | 5094 |
| CONTAMINANT | S | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >25 | 4 | 4 | 5 |
| Sodium | ppm | ASTM D5185m | | 1 | 0 | 0 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 0 | 0 |
| INFRA-RED | | method | limit/base | current | history1 | history2 |
| Soot % | % | *ASTM D7844 | >3 | 0.2 | 0.1 | 0.1 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 7.8 | 6.1 | 5.4 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 20.0 | 18.8 | 18.2 |
| FLUID DEGRADATION method limit/base current history1 history2 | | | | | | |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 15.9 | 14.7 | 13.9 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 10.8 | 10.38 | 10.52 | 10.32 |
| , | - 0 | | | | | |



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

: TO10003535 Lab Number : 06208008

Unique Number : 11075469

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 12 Jun 2024

: 14 Jun 2024

: 14 Jun 2024 - Wes Davis

Diagnosed

Test Package : MOB 2 (Additional Tests: KV40, VI) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

KLX ENERGY SERVICES

5104 ESTES PKWY LONGVIEW, TX US 75603

Contact: DUSTIN TREST dustin.trest@klx.com

F:

T: