CONSTRUCTION EQUIPMENT SW-28280-2 TNT VOLVO EC220E 314182 - REAR LEFT FINAL OR

 Sample No:
 VCP435836

 Oil Type:
 VOLVO PREMIUM GEAR OIL 80W-90 GL-5

 Job No:
 SW-28280-2 TNT

SAMPLE INFORMATION

Zinc

Barium

Boron

Phosphorus

VOLVO

| | | - | | |
|---------------|----------|-------------|------|-------|
| Sample Number | - | VCP435836 | | |
| Sample Date | | 23 Jan 2024 | | |
| Machine Hours | | 2683 | | |
| Oil Hours | | 2683 | | |
| Oil Changed | | Changed | | |
| Sample Status | | SEVERE | | |
| | | | | |
| OIL CON | IDITION | | | |
| Visc @ 40°C | cSt | 242 | | |
| VOLVO | | | | |
| CONTAI | MINATION | | | |
| Water | % | NEG | | |
| Silicon | ppm | 🛑 1506 | | |
| Sodium | ppm | 25 | | |
| Potassium | ppm | 82 | | |
| | | | | |
| WEAR N | METALS | | | |
| Iron | ppm | • 5404 | | |
| Copper | ppm | 11 | | |
| Lead | ppm | 1 | | |
| Tin | ppm | 0 | | |
| Aluminum | ppm | 184 | | |
| Chromium | ppm | 🛑 40 | | |
| Molybdenum | ppm | 4 | | |
| Nickel | ppm | <u> </u> | | |
| Titanium | ppm | 1 3 | | |
| Silver | ppm | 0 | | |
| Manganese | ppm | 42 | | |
| Vanadium | ppm | <1 | | |
| | | | | |
| | VES | | | _ |
| Calcium | ppm | 642 | | |
| Magnesium | ppm | 116 | | |
| | | | | |



ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH SALT LAKE CITY, UT JS 84119 Contact: TJ LARK :lark@arnoldmachinery.com T: (801)972-4000 F: (801)975-9434

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

| Depot: | VOLVO8770 | | |
|--------------|-------------|--|--|
| Unique No: | 10858214 | | |
| Signed: | Sean Felton | | |
| Report Date: | 02 Feb 2024 | | |

28

7

5

368

ppm

ppm

ppm

ppm

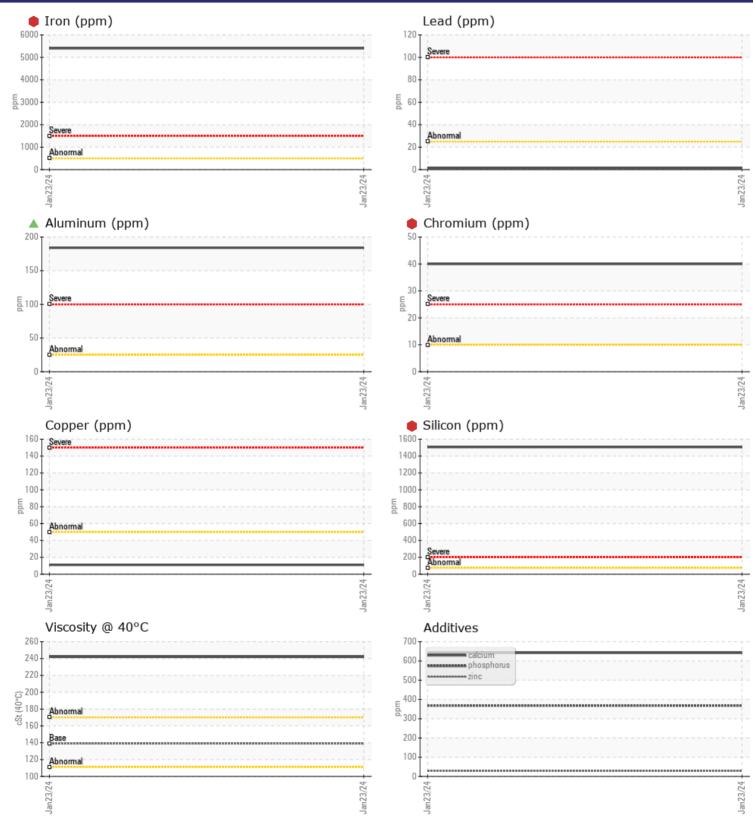
Contact/Location: TJ LARK - VOLVO8770

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO8770 [WUSCAR] 06076123 (Generated: 02/02/2024 10:10:36) Rev: 1

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