



CONSTRUCTION EQUIPMENT

135630 VOLVO EC750E 314191 - REAR RIGHT FINAL DRIVE



Sample No: VCP443226
Oil Type: GEAR OIL SAE 80W90
Job No: 135630



LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
 14242 S SH-34
 SCURRY, TX
 US 75158
 Contact: WALLACE WARREN
 wallace.warren@lafargeholcim.com
 T:
 F:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP443226 | VCP431190 | VCP430298 | VCP416016 |
| Sample Date | 20 Feb 2024 | 08 Dec 2023 | 29 Sep 2023 | 08 Aug 2023 |
| Machine Hours | 3520 | 3036 | 2487 | 2037 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Changd | Changed | Not Changd | Changed |
| Sample Status | SEVERE | SEVERE | SEVERE | SEVERE |



OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 154 | 294 | 144 | 262 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|-------|-----|-------|
| Water | % | 0.848 | 0.260 | NEG | 0.320 |
| Silicon | ppm | 3931 | 3705 | 970 | 3456 |
| Sodium | ppm | 18 | 12 | 5 | 12 |
| Potassium | ppm | 82 | 73 | 21 | 69 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|------|------|------|
| Iron | ppm | 6399 | 7770 | 2385 | 7207 |
| Copper | ppm | 14 | 17 | 5 | 16 |
| Lead | ppm | 3 | <1 | 0 | <1 |
| Tin | ppm | 2 | 0 | <1 | 0 |
| Aluminum | ppm | 403 | 324 | 96 | 301 |
| Chromium | ppm | 46 | 53 | 17 | 48 |
| Molybdenum | ppm | 16 | 8 | 1 | 8 |
| Nickel | ppm | 13 | 13 | 3 | 16 |
| Titanium | ppm | 24 | 20 | 6 | 18 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 50 | 60 | 21 | 58 |
| Vanadium | ppm | <1 | <1 | <1 | 1 |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 776 | 497 | 185 | 585 |
| Magnesium | ppm | 87 | 36 | 15 | 33 |
| Zinc | ppm | 77 | 18 | 15 | 40 |
| Phosphorus | ppm | 891 | 941 | 872 | 873 |
| Barium | ppm | 4 | 0 | 0 | 4 |
| Boron | ppm | 171 | 160 | 95 | 154 |

Diagnosis

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. 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. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: LATSCU
Unique No: 10898672
Signed: Jonathan Hester
Report Date: 28 Feb 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

