



CONSTRUCTION EQUIPMENT

606275 VOLVO A30G 742023 - REAR AXLE



Sample No: VCP436062
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 606275



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP436062 | VCP393399 | VCP359383 | VCP272445 |
| Sample Date | 11 Sep 2023 | 08 Mar 2023 | 20 Apr 2022 | 26 Apr 2020 |
| Machine Hours | 8246 | 7220 | 6218 | 4300 |
| Oil Hours | 4000 | 1500 | 2000 | 0 |
| Oil Changed | Changed | Not Chngd | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
PMServices@ripaconstruction.com
T:
F:



OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 142 | 111 | 258 | 297 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|---|----|----|
| Silicon | ppm | 4 | 5 | 3 | 8 |
| Sodium | ppm | 0 | 1 | 0 | <1 |
| Potassium | ppm | <1 | 0 | <1 | 5 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|-----|-----|
| Iron | ppm | 127 | 37 | 127 | 230 |
| Copper | ppm | 6 | 4 | 10 | 7 |
| Lead | ppm | <1 | 0 | 0 | 0 |
| Tin | ppm | <1 | 0 | <1 | 0 |
| Aluminum | ppm | 0 | 1 | <1 | <1 |
| Chromium | ppm | 2 | <1 | 2 | 3 |
| Molybdenum | ppm | 2 | 1 | 1 | 4 |
| Nickel | ppm | 1 | 0 | 0 | 2 |
| Titanium | ppm | 0 | 0 | 0 | <1 |
| Silver | ppm | 0 | 0 | <1 | 0 |
| Manganese | ppm | 2 | <1 | 2 | 7 |
| Vanadium | ppm | 0 | 0 | 0 | <1 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 93 | 471 | 152 | 80 |
| Magnesium | ppm | 5 | 4 | 5 | 6 |
| Zinc | ppm | 47 | 249 | 67 | 35 |
| Phosphorus | ppm | 1424 | 1279 | 1031 | 787 |
| Barium | ppm | 1 | 0 | 0 | 0 |
| Boron | ppm | 187 | 143 | 138 | 112 |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: RIPTAM
Unique No: 10689339
Signed: Don Baldrige
Report Date: 16 Oct 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

