



CONSTRUCTION EQUIPMENT

SWO-064541 VOLVO A60H 350051 - DROP BOX



Sample No: VCP416367
Oil Type: GEAR OIL SAE 75W90
Job No: SWO-064541



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP416367 | VCP424544 | VCP393620 | VCP364266 |
| Sample Date | 03 Aug 2023 | 28 Apr 2023 | 21 Dec 2022 | 31 Aug 2022 |
| Machine Hours | 6858 | 6390 | 5828 | 5303 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Not Chngd | Changed | Not Chngd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

SAIIA CONSTRUCTION LLC

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 327 | 325 | 242 | 240 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|----------|----|----|---|
| Silicon | ppm | 6 | 4 | 4 | 4 |
| Sodium | ppm | 0 | <1 | <1 | 0 |
| Potassium | ppm | 1 | <1 | <1 | 0 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|----|
| Iron | ppm | 138 | 145 | 153 | 56 |
| Copper | ppm | <1 | <1 | 1 | <1 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | 3 | 4 | 2 | 1 |
| Chromium | ppm | 2 | 2 | 1 | <1 |
| Molybdenum | ppm | 2 | 2 | 3 | 3 |
| Nickel | ppm | 1 | 2 | 2 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | <1 | 0 | 0 | 0 |
| Manganese | ppm | 2 | 2 | 2 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 62 | 63 | 98 | 80 |
| Magnesium | ppm | 10 | 12 | 28 | 18 |
| Zinc | ppm | 38 | 41 | 87 | 71 |
| Phosphorus | ppm | 1028 | 1099 | 921 | 799 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 193 | 185 | 81 | 100 |

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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: SAIBIR
Unique No: 10589845
Signed: Sean Felton
Report Date: 08 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

