



CONSTRUCTION EQUIPMENT

VOLVO A40G 352973 - DROP BOX



Sample No: VCP421329
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP421329 | --- | --- | --- |
| Sample Date | 04 Aug 2023 | --- | --- | --- |
| Machine Hours | 1903 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | ▲ 50.8 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Silicon | ppm | ▲ 71 | --- | --- | --- |
| Sodium | ppm | ■ 10 | --- | --- | --- |
| Potassium | ppm | ■ 6 | --- | --- | --- |

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or gear wear is indicated. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is lower than normal. Confirm oil type.



WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | ▲ 715 | --- | --- | --- |
| Copper | ppm | ▲ 188 | --- | --- | --- |
| Lead | ppm | ■ <1 | --- | --- | --- |
| Tin | ppm | ■ <1 | --- | --- | --- |
| Aluminum | ppm | ■ 2 | --- | --- | --- |
| Chromium | ppm | ■ 9 | --- | --- | --- |
| Molybdenum | ppm | ■ 54 | --- | --- | --- |
| Nickel | ppm | ■ 4 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | ■ 12 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ■ 74 | --- | --- | --- |
| Magnesium | ppm | ■ 9 | --- | --- | --- |
| Zinc | ppm | ■ 355 | --- | --- | --- |
| Phosphorus | ppm | ■ 2239 | --- | --- | --- |
| Barium | ppm | ■ 0 | --- | --- | --- |
| Boron | ppm | ■ 90 | --- | --- | --- |

Depot: VOLVO0090
Unique No: 10606377
Signed: Don Baldrige
Report Date: 17 Aug 2023



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GRAPHS

