



CONSTRUCTION EQUIPMENT

W07014038-2 WATERFRO TAKEUCHI TB230 130009141 - REAR RIGHT FINAL DRIVE



Sample No: VCP447813
Oil Type: GEAR OIL SAE 85W90
Job No: W07014038-2 WATERFRO



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP447813 | --- | --- | --- |
| Sample Date | 28 Dec 2023 | --- | --- | --- |
| Machine Hours | 122 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 124 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Silicon | ppm | ▲ 82 | --- | --- | --- |
| Sodium | ppm | ■ 6 | --- | --- | --- |
| Potassium | ppm | ■ 4 | --- | --- | --- |

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. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | ■ 191 | --- | --- | --- |
| Copper | ppm | ■ 2 | --- | --- | --- |
| Lead | ppm | ■ <1 | --- | --- | --- |
| Tin | ppm | ■ <1 | --- | --- | --- |
| Aluminum | ppm | ▲ 10 | --- | --- | --- |
| Chromium | ppm | ■ 15 | --- | --- | --- |
| Molybdenum | ppm | ■ 1 | --- | --- | --- |
| Nickel | ppm | ■ 1 | --- | --- | --- |
| Titanium | ppm | 2 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | ■ 11 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | ■ 63 | --- | --- | --- |
| Magnesium | ppm | ■ 3 | --- | --- | --- |
| Zinc | ppm | ■ 105 | --- | --- | --- |
| Phosphorus | ppm | ■ 471 | --- | --- | --- |
| Barium | ppm | ■ 17 | --- | --- | --- |
| Boron | ppm | ■ 53 | --- | --- | --- |

Depot: VOLVO8882
Unique No: 10821027
Signed: Sean Felton
Report Date: 10 Jan 2024



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GRAPHS

