



CONSTRUCTION EQUIPMENT

JCB 86C 297223 - DIESEL ENGINE



Sample No: VCP417423

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP417423 | --- | --- | --- |
| Sample Date | 30 Jun 2023 | --- | --- | --- |
| Machine Hours | 882 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

ALTA EQUIPMENT

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OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 13.2 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 9.3 | --- | --- | --- |
| Oxidation (PA) | % | 81 | --- | --- | --- |

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

| | | | | | |
|----------------|-----|-------|-----|-----|-----|
| Soot % | % | █ 0.1 | --- | --- | --- |
| Nitration (PA) | % | 69 | --- | --- | --- |
| Sulfation (PA) | % | 61 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | █ 5 | --- | --- | --- |
| Sodium | ppm | █ 2 | --- | --- | --- |
| Potassium | ppm | █ <1 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 7 | --- | --- | --- |
| Copper | ppm | █ 3 | --- | --- | --- |
| Lead | ppm | █ 0 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 0 | --- | --- | --- |
| Chromium | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 31 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | 2 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 1322 | --- | --- | --- |
| Magnesium | ppm | █ 272 | --- | --- | --- |
| Zinc | ppm | █ 839 | --- | --- | --- |
| Phosphorus | ppm | 676 | --- | --- | --- |
| Barium | ppm | █ 12 | --- | --- | --- |
| Boron | ppm | █ 55 | --- | --- | --- |

Depot: VOLVO0142
Unique No: 10539087
Signed: Wes Davis
Report Date: 05 Jul 2023



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GRAPHS

