



CONSTRUCTION EQUIPMENT

S50401713 AJ RENTALS VOLVO L60H 622864 - DIESEL ENGINE



Sample No: VCP435189
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: S50401713 AJ RENTALS



VCES- VOLVO CONSTRUCTION EQUIPMENT
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SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP435189 | --- | --- | --- |
| Sample Date | 21 Sep 2023 | --- | --- | --- |
| Machine Hours | 470 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |



OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 12.4 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 10.0 | --- | --- | --- |
| Oxidation (PA) | % | 73 | --- | --- | --- |



CONTAMINATION

| | | | | | |
|----------------|-----|-------|-----|-----|-----|
| Soot % | % | █ 0.2 | --- | --- | --- |
| Nitration (PA) | % | 57 | --- | --- | --- |
| Sulfation (PA) | % | 58 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | █ 16 | --- | --- | --- |
| Sodium | ppm | █ 4 | --- | --- | --- |
| Potassium | ppm | █ 2 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 32 | --- | --- | --- |
| Copper | ppm | █ 7 | --- | --- | --- |
| Lead | ppm | █ 2 | --- | --- | --- |
| Tin | ppm | █ 3 | --- | --- | --- |
| Aluminum | ppm | █ 10 | --- | --- | --- |
| Chromium | ppm | █ 2 | --- | --- | --- |
| Molybdenum | ppm | █ 40 | --- | --- | --- |
| Nickel | ppm | █ <1 | --- | --- | --- |
| Titanium | ppm | █ <1 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ 4 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 1381 | --- | --- | --- |
| Magnesium | ppm | █ 581 | --- | --- | --- |
| Zinc | ppm | █ 1072 | --- | --- | --- |
| Phosphorus | ppm | █ 939 | --- | --- | --- |
| Barium | ppm | █ 2 | --- | --- | --- |
| Boron | ppm | █ 36 | --- | --- | --- |

Diagnosis

Resample at the next service interval to monitor. 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.

Depot: VOLVO4486
Unique No: 10724528
Signed: Wes Davis
Report Date: 02 Nov 2023



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GRAPHS

