



CONSTRUCTION EQUIPMENT

VOLVO L70H 624874 - DIESEL ENGINE



Sample No: VCP376068
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP376068 | --- | --- | --- |
| Sample Date | 27 Sep 2023 | --- | --- | --- |
| Machine Hours | 2008 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302



OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 12.8 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 8.9 | --- | --- | --- |
| Oxidation (PA) | % | 78 | --- | --- | --- |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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 % | % | █ 0.4 | --- | --- | --- |
| Nitration (PA) | % | 79 | --- | --- | --- |
| Sulfation (PA) | % | 58 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | █ 9 | --- | --- | --- |
| Sodium | ppm | █ 1 | --- | --- | --- |
| Potassium | ppm | █ 1 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 33 | --- | --- | --- |
| Copper | ppm | █ 6 | --- | --- | --- |
| Lead | ppm | █ <1 | --- | --- | --- |
| Tin | ppm | █ 2 | --- | --- | --- |
| Aluminum | ppm | █ 8 | --- | --- | --- |
| Chromium | ppm | █ 2 | --- | --- | --- |
| Molybdenum | ppm | █ 51 | --- | --- | --- |
| Nickel | ppm | █ <1 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ 1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 1649 | --- | --- | --- |
| Magnesium | ppm | █ 609 | --- | --- | --- |
| Zinc | ppm | █ 1157 | --- | --- | --- |
| Phosphorus | ppm | █ 935 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 17 | --- | --- | --- |

Depot: VOLVO0090
Unique No: 10671656
Signed: Wes Davis
Report Date: 02 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

