



CONSTRUCTION EQUIPMENT

730443 TITAL AMERICA VOLVO L60H 622689 - DIESEL ENGINE



Sample No: VCP450879
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 730443 TITAL AMERICA



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP450879 | VCP436041 | --- | --- |
| Sample Date | 21 Jun 2024 | 10 Nov 2023 | --- | --- |
| Machine Hours | 1697 | 564 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

ALTA EQUIPMENT COMPANY

5210 REESE ROAD
 DAVIE, FL
 US 33314

Contact: N. FACEY
 nfacey@altaequipfl.com
 T: (954)581-4744
 F: (954)583-0318



OIL CONDITION

| | | | | | |
|------------------|----------|---------|--------|-----|-----|
| Visc @ 100°C | cSt | █ 13.19 | █ 12.5 | --- | --- |
| Base Number (BN) | mg KOH/g | █ 10.5 | █ 9.7 | --- | --- |
| Oxidation (PA) | % | 78 | 70 | --- | --- |

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

| | | | | | |
|----------------|-----|-------|-------|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Soot % | % | █ 0.4 | █ 0.4 | --- | --- |
| Nitration (PA) | % | 61 | 58 | --- | --- |
| Sulfation (PA) | % | 61 | 58 | --- | --- |
| Glycol | % | NEG | NEG | --- | --- |
| Fuel | % | <1.0 | <1.0 | --- | --- |
| Silicon | ppm | █ 6 | █ 23 | --- | --- |
| Sodium | ppm | █ 3 | █ 2 | --- | --- |
| Potassium | ppm | █ 0 | █ 3 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-------|-------|-----|-----|
| Iron | ppm | █ 140 | █ 138 | --- | --- |
| Copper | ppm | █ 2 | █ 9 | --- | --- |
| Lead | ppm | █ 0 | █ <1 | --- | --- |
| Tin | ppm | █ 0 | █ 2 | --- | --- |
| Aluminum | ppm | █ 5 | █ 18 | --- | --- |
| Chromium | ppm | █ 2 | █ 5 | --- | --- |
| Molybdenum | ppm | █ 39 | █ 40 | --- | --- |
| Nickel | ppm | █ 0 | █ <1 | --- | --- |
| Titanium | ppm | 0 | <1 | --- | --- |
| Silver | ppm | █ 0 | █ 0 | --- | --- |
| Manganese | ppm | █ 2 | █ 6 | --- | --- |
| Vanadium | ppm | <1 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|--------|-----|-----|
| Calcium | ppm | █ 1708 | █ 1533 | --- | --- |
| Magnesium | ppm | █ 524 | █ 584 | --- | --- |
| Zinc | ppm | █ 1105 | █ 1085 | --- | --- |
| Phosphorus | ppm | █ 923 | █ 909 | --- | --- |
| Barium | ppm | █ <1 | █ <1 | --- | --- |
| Boron | ppm | █ 25 | █ 43 | --- | --- |

Depot: VOLVO0095
Unique No: 11099806
Signed: Jonathan Hester
Report Date: 01 Jul 2024



CONSTRUCTION EQUIPMENT



GRAPHS

