



CONSTRUCTION EQUIPMENT

VILLAGE OF MAYVILLE VOLVO L60H 12872026 - DIESEL ENGINE



Sample No: VCP419160
Oil Type: CENPECO EXTREME DUTY 15W40
Job No: VILLAGE OF MAYVILLE



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP419160 | --- | --- | --- |
| Sample Date | 25 Sep 2023 | --- | --- | --- |
| Machine Hours | 485 | --- | --- | --- |
| Oil Hours | 485 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

ALTA EQUIPMENT

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OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 12.7 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 10.1 | --- | --- | --- |
| Oxidation (PA) | % | 74 | --- | --- | --- |

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a components first oil change. 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 % | % | █ 0.2 | --- | --- | --- |
| Nitration (PA) | % | 58 | --- | --- | --- |
| Sulfation (PA) | % | 58 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | █ 18 | --- | --- | --- |
| Sodium | ppm | █ 4 | --- | --- | --- |
| Potassium | ppm | █ 0 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 30 | --- | --- | --- |
| Copper | ppm | █ 8 | --- | --- | --- |
| Lead | ppm | █ 2 | --- | --- | --- |
| Tin | ppm | █ 3 | --- | --- | --- |
| Aluminum | ppm | █ 23 | --- | --- | --- |
| Chromium | ppm | █ 4 | --- | --- | --- |
| Molybdenum | ppm | █ 40 | --- | --- | --- |
| Nickel | ppm | █ <1 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | 4 | --- | --- | --- |
| Vanadium | ppm | <1 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 1601 | --- | --- | --- |
| Magnesium | ppm | █ 631 | --- | --- | --- |
| Zinc | ppm | █ 1182 | --- | --- | --- |
| Phosphorus | ppm | █ 977 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 52 | --- | --- | --- |

Depot: VOLV00142
Unique No: 10673382
Signed: Wes Davis
Report Date: 03 Oct 2023



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GRAPHS

