



CONSTRUCTION EQUIPMENT

X14230 BARRY CONCRET VOLVO L60H 62 1995 - DIESEL ENGINE



Sample No: VCP399042
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X14230 BARRY CONCRET



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SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP399042 | VC552823 | VC324296 | --- |
| Sample Date | 18 Jun 2024 | 16 Sep 2021 | 30 Apr 2021 | --- |
| Machine Hours | 4399 | 2251 | 1837 | --- |
| Oil Hours | 0 | 500 | 500 | --- |
| Oil Changed | Changed | Changed | Changed | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |



OIL CONDITION

| | | | | | |
|------------------|----------|-------------|------|------|-----|
| Visc @ 100°C | cSt | 13.1 | 14.4 | 14.2 | --- |
| Base Number (BN) | mg KOH/g | 10.3 | --- | --- | --- |
| Oxidation (PA) | % | 82 | 58 | 64 | --- |



CONTAMINATION

| | | | | | |
|----------------|-----|----------------|------|------|-----|
| Water | % | NEG | NEG | NEG | --- |
| Soot % | % | 0.4 | 0.6 | 0.5 | --- |
| Nitration (PA) | % | 63 | 78 | 87 | --- |
| Sulfation (PA) | % | 61 | 57 | 62 | --- |
| Glycol | % | NEG | NEG | NEG | --- |
| Fuel | % | <1.0 | <1.0 | <1.0 | --- |
| Silicon | ppm | 6 | 4 | 6 | --- |
| Sodium | ppm | 3 | 1 | 18 | --- |
| Potassium | ppm | <1 | 3 | 4 | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|-----|
| Iron | ppm | 9 | 14 | 22 | --- |
| Copper | ppm | <1 | 1 | 9 | --- |
| Lead | ppm | 0 | <1 | <1 | --- |
| Tin | ppm | 0 | <1 | 1 | --- |
| Aluminum | ppm | 5 | 3 | 0 | --- |
| Chromium | ppm | <1 | <1 | 1 | --- |
| Molybdenum | ppm | 40 | 2 | <1 | --- |
| Nickel | ppm | 0 | <1 | <1 | --- |
| Titanium | ppm | 0 | <1 | 2 | --- |
| Silver | ppm | 0 | <1 | 0 | --- |
| Manganese | ppm | <1 | <1 | <1 | --- |
| Vanadium | ppm | 0 | <1 | <1 | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 1838 | 1401 | 1414 | --- |
| Magnesium | ppm | 543 | 738 | 747 | --- |
| Zinc | ppm | 1211 | 847 | 848 | --- |
| Phosphorus | ppm | 1012 | 735 | 779 | --- |
| Barium | ppm | 0 | 0 | 0 | --- |
| Boron | ppm | 36 | 41 | 82 | --- |

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.

Depot: VOLVO6241
Unique No: 11124267
Signed: Wes Davis
Report Date: 15 Jul 2024



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GRAPHS

