



CONSTRUCTION EQUIPMENT

VOLVO A25F 8023 - DIESEL ENGINE



Sample No: VCP442476
Oil Type: DIESEL ENGINE OIL SAE 30
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP442476 | VCE158037 | VCE211264 | --- |
| Sample Date | 26 Jun 2024 | 30 Jan 2015 | 15 Oct 2014 | --- |
| Machine Hours | 7415 | 1750 | 1120 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | N/A | Changed | Changed | --- |
| Sample Status | NORMAL | NORMAL | ABNORMAL | --- |

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OIL CONDITION

| | | | | | |
|------------------|----------|-------------|-------|-------|-----|
| Visc @ 100°C | cSt | 12.4 | 12.64 | 12.81 | --- |
| Base Number (BN) | mg KOH/g | 10.0 | --- | --- | --- |
| Oxidation (PA) | % | 82 | 60 | 44 | --- |

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 30. Please confirm.

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 | NEG | --- |
| Soot % | % | 0.1 | 0.1 | 0.1 | --- |
| Nitration (PA) | % | 63 | 67 | 50 | --- |
| Sulfation (PA) | % | 61 | 53 | 50 | --- |
| Glycol | % | NEG | NEG | NEG | --- |
| Fuel | % | <1.0 | <1.0 | <1.0 | --- |
| Silicon | ppm | 6 | 10 | 15 | --- |
| Sodium | ppm | 5 | 7 | 6 | --- |
| Potassium | ppm | 2 | 0 | 1 | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|-----|-----|
| Iron | ppm | 10 | 19 | 17 | --- |
| Copper | ppm | <1 | 61 | 118 | --- |
| Lead | ppm | 0 | <1 | <1 | --- |
| Tin | ppm | <1 | 0 | 3 | --- |
| Aluminum | ppm | 5 | 3 | 2 | --- |
| Chromium | ppm | <1 | <1 | <1 | --- |
| Molybdenum | ppm | 41 | 46 | 56 | --- |
| Nickel | ppm | <1 | 2 | 2 | --- |
| Titanium | ppm | <1 | <1 | 0 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | <1 | <1 | <1 | --- |
| Vanadium | ppm | <1 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 1720 | 1316 | 1407 | --- |
| Magnesium | ppm | 545 | 809 | 814 | --- |
| Zinc | ppm | 1204 | 1064 | 1008 | --- |
| Phosphorus | ppm | 974 | 796 | 845 | --- |
| Barium | ppm | 0 | 0 | 0 | --- |
| Boron | ppm | 44 | 7 | 13 | --- |

Depot: VOLV00117
Unique No: 11100173
Signed: Wes Davis
Report Date: 27 Jun 2024



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GRAPHS

