



CONSTRUCTION EQUIPMENT

W0329877 IAA VOLVO L90H 626677 - DIESEL ENGINE



Sample No: VCP419730
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: W0329877 IAA



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP419730 | --- | --- | --- |
| Sample Date | 03 Apr 2024 | --- | --- | --- |
| Machine Hours | 2385 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 13.7 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 7.3 | --- | --- | --- |
| Oxidation (PA) | % | 73 | --- | --- | --- |

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 | --- | --- | --- |
| Soot % | % | █ 0.5 | --- | --- | --- |
| Nitration (PA) | % | 78 | --- | --- | --- |
| Sulfation (PA) | % | 62 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | █ 13 | --- | --- | --- |
| Sodium | ppm | █ 3 | --- | --- | --- |
| Potassium | ppm | █ 3 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | █ 28 | --- | --- | --- |
| Copper | ppm | █ 7 | --- | --- | --- |
| Lead | ppm | █ 6 | --- | --- | --- |
| Tin | ppm | █ 2 | --- | --- | --- |
| Aluminum | ppm | █ 8 | --- | --- | --- |
| Chromium | ppm | █ 3 | --- | --- | --- |
| Molybdenum | ppm | █ 103 | --- | --- | --- |
| Nickel | ppm | █ 1 | --- | --- | --- |
| Titanium | ppm | █ <1 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ 2 | --- | --- | --- |
| Vanadium | ppm | <1 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 1394 | --- | --- | --- |
| Magnesium | ppm | █ 710 | --- | --- | --- |
| Zinc | ppm | █ 955 | --- | --- | --- |
| Phosphorus | ppm | █ 752 | --- | --- | --- |
| Barium | ppm | █ 1 | --- | --- | --- |
| Boron | ppm | █ 58 | --- | --- | --- |

Depot: VOLVO0170
Unique No: 10967641
Signed: Wes Davis
Report Date: 10 Apr 2024



CONSTRUCTION EQUIPMENT

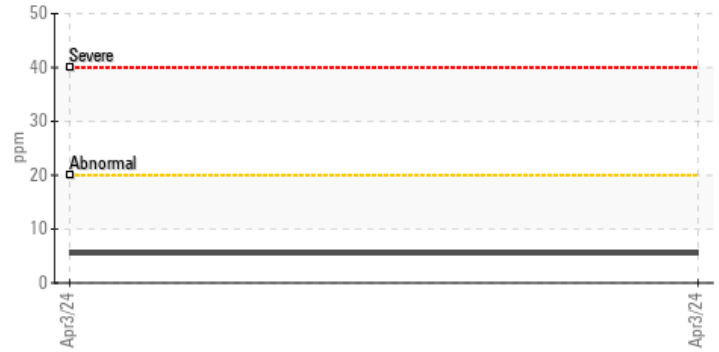


GRAPHS

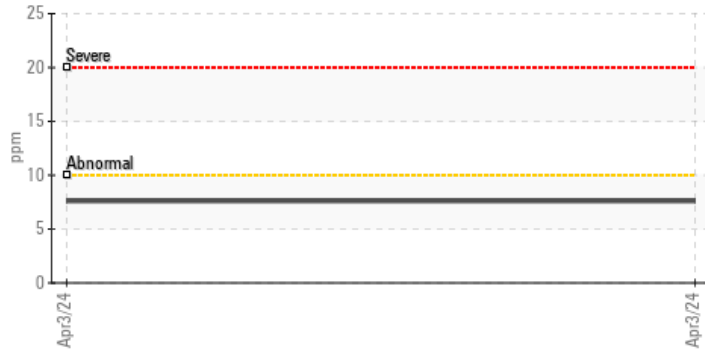
Iron (ppm)



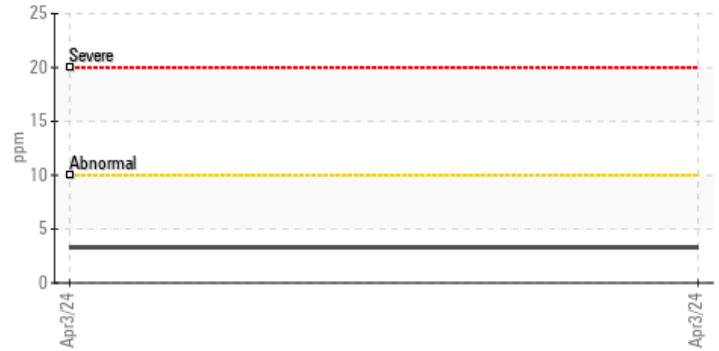
Lead (ppm)



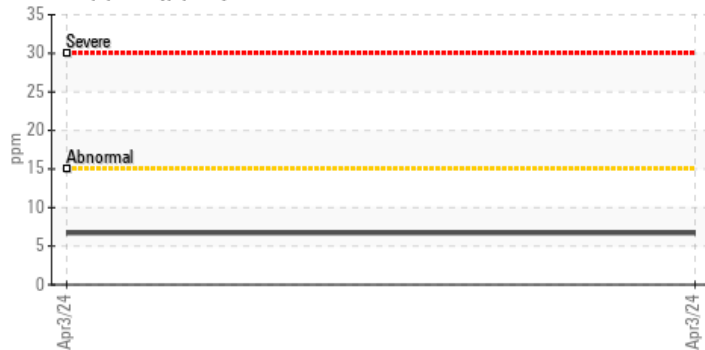
Aluminum (ppm)



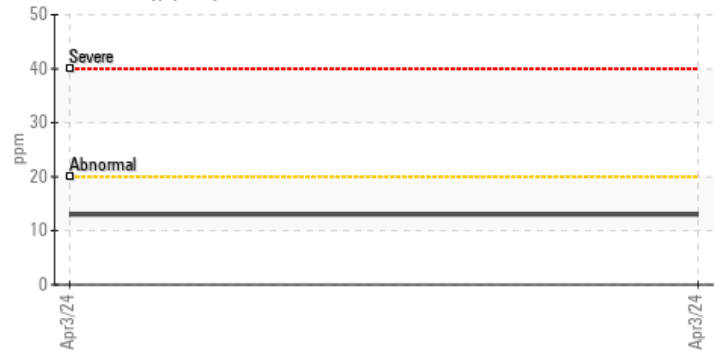
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

