



CONSTRUCTION EQUIPMENT

M0700016 FORD F750 8699 - DIESEL ENGINE



Sample No: VCP350646
Oil Type: MOBIL 15W40
Job No: M07000016



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP350646 | --- | --- | --- |
| Sample Date | 16 Jan 2024 | --- | --- | --- |
| Machine Hours | 11888 | --- | --- | --- |
| Oil Hours | 500 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 13.8 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 8.0 | --- | --- | --- |
| Oxidation (PA) | % | 75 | --- | --- | --- |

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Test for glycol is negative. 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 acceptable for the time in service.



CONTAMINATION

| | | | | | |
|----------------|-----|-------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Soot % | % | █ 0.6 | --- | --- | --- |
| Nitration (PA) | % | 89 | --- | --- | --- |
| Sulfation (PA) | % | 57 | --- | --- | --- |
| Glycol | % | █ 0.0 | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | █ 8 | --- | --- | --- |
| Sodium | ppm | █ 33 | --- | --- | --- |
| Potassium | ppm | █ 45 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 18 | --- | --- | --- |
| Copper | ppm | █ 2 | --- | --- | --- |
| Lead | ppm | █ 0 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 5 | --- | --- | --- |
| Chromium | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 54 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | █ 0 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 1220 | --- | --- | --- |
| Magnesium | ppm | █ 691 | --- | --- | --- |
| Zinc | ppm | █ 909 | --- | --- | --- |
| Phosphorus | ppm | █ 687 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 30 | --- | --- | --- |

Depot: VOLVO8882
Unique No: 10843973
Signed: Doug Bogart
Report Date: 04 Feb 2024

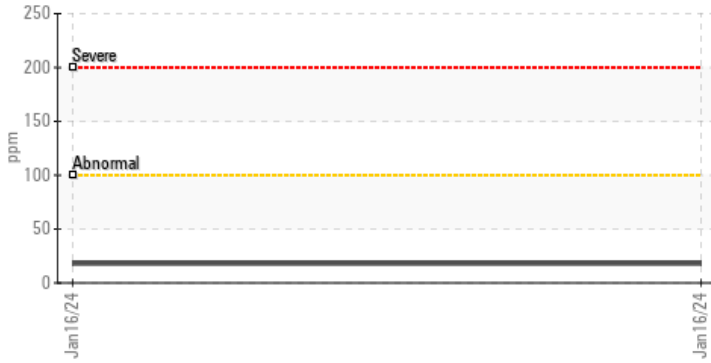


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GRAPHS

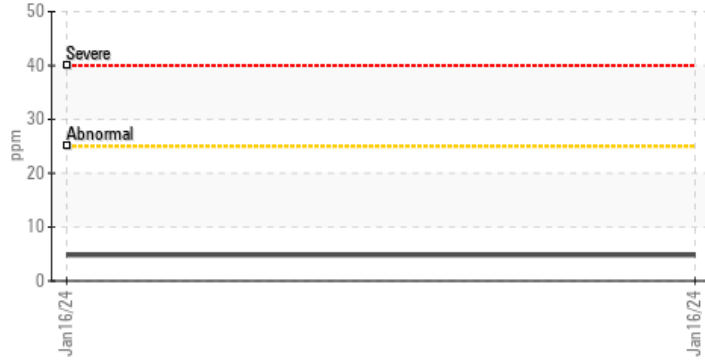
Iron (ppm)



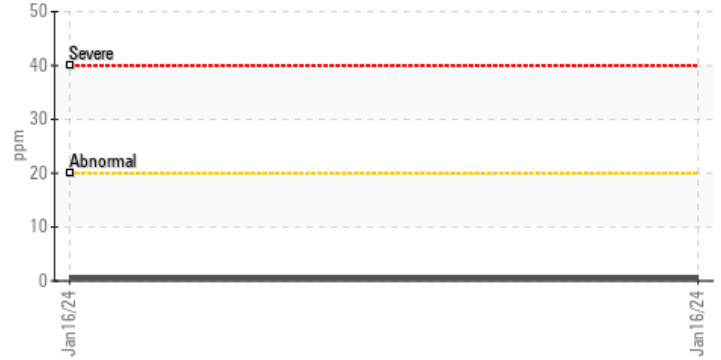
Lead (ppm)



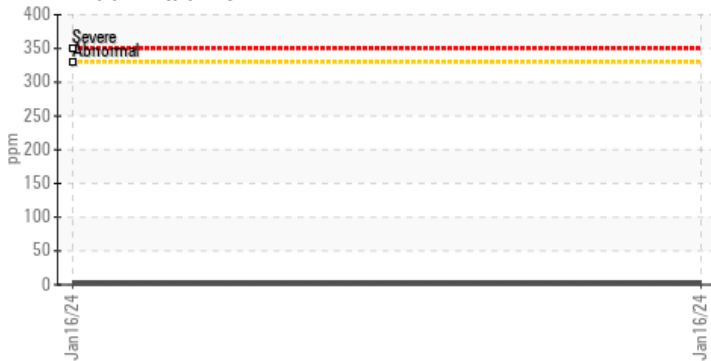
Aluminum (ppm)



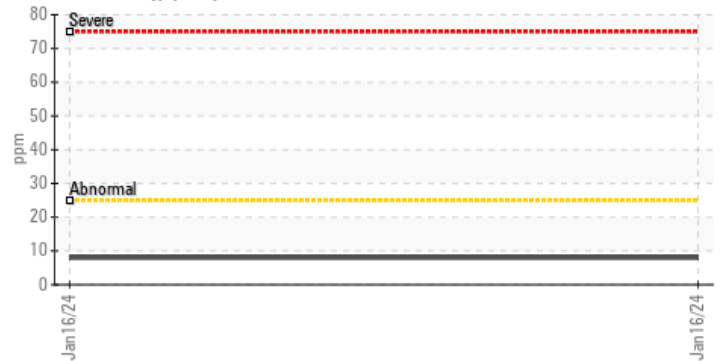
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

