



CONSTRUCTION EQUIPMENT

VOLVO EC460CL 110437 - REAR LEFT FINAL DRIVE



Sample No: VCP117285
Oil Type: MOBIL MOBILUBE HD PLUS 85W140
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP117285 | --- | --- | --- |
| Sample Date | 09 Aug 2011 | --- | --- | --- |
| Machine Hours | 965 | --- | --- | --- |
| Oil Hours | 500 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

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 KRATLIFFE@MCCLUNG-LOGAN.COM
 T:
 F: (804)266-1611



OIL CONDITION

| | | | | | |
|-------------|-----|---------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 162.9 | --- | --- | --- |
|-------------|-----|---------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Silicon | ppm | █ 12 | --- | --- | --- |
| Sodium | ppm | █ 8 | --- | --- | --- |
| Potassium | ppm | █ 0 | --- | --- | --- |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | █ 188 | --- | --- | --- |
| Copper | ppm | █ 64 | --- | --- | --- |
| Lead | ppm | █ 4 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 4 | --- | --- | --- |
| Chromium | ppm | █ 6 | --- | --- | --- |
| Molybdenum | ppm | █ 0 | --- | --- | --- |
| Nickel | ppm | <1 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ 7 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 10 | --- | --- | --- |
| Magnesium | ppm | █ 4 | --- | --- | --- |
| Zinc | ppm | █ 37 | --- | --- | --- |
| Phosphorus | ppm | █ 1031 | --- | --- | --- |
| Barium | ppm | █ 160 | --- | --- | --- |
| Boron | ppm | █ 2 | --- | --- | --- |

Depot: VOLVO8882
Unique No: 5651290
Signed: Jonathan Hester
Report Date: 22 Aug 2011

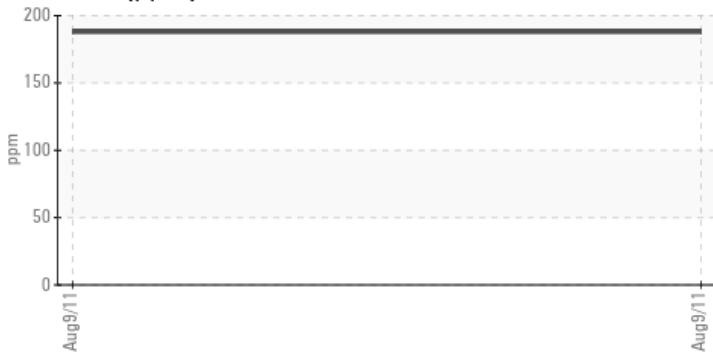


CONSTRUCTION EQUIPMENT

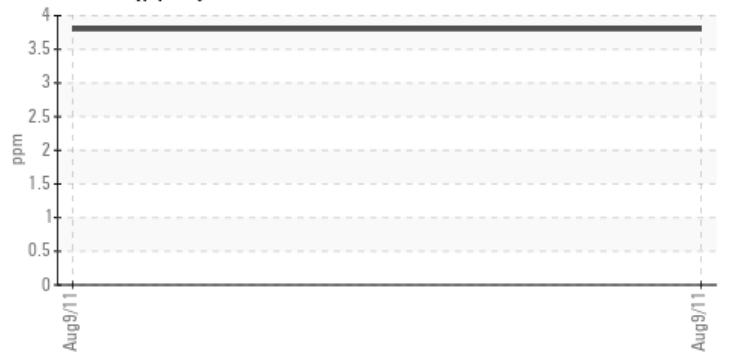


GRAPHS

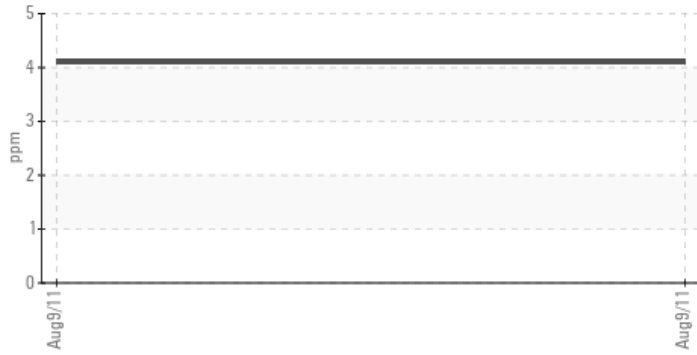
Iron (ppm)



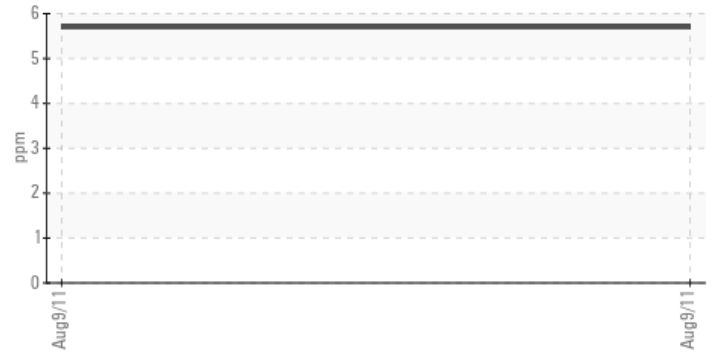
Lead (ppm)



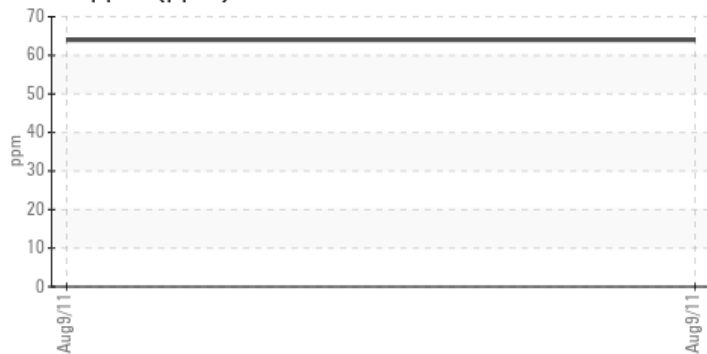
Aluminum (ppm)



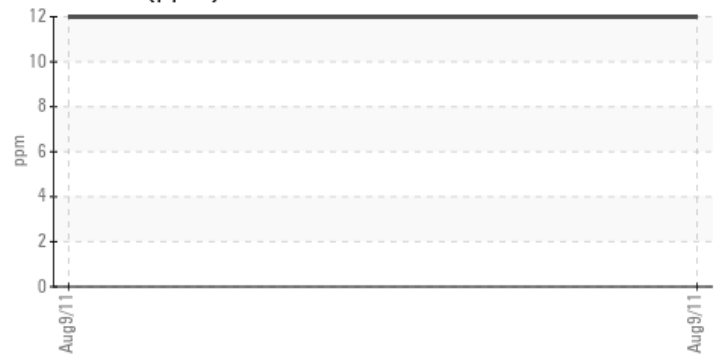
Chromium (ppm)



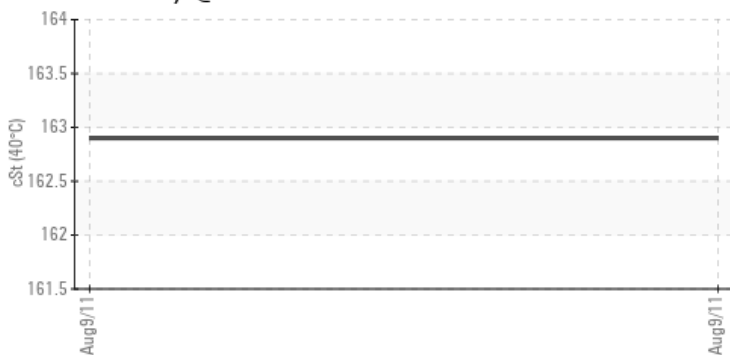
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

