



CONSTRUCTION EQUIPMENT

X47317 VOLVO EC220 314774 - FRONT RIGHT FINAL DRIVE



Sample No: VCP418708
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: X47317



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SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP418708 | --- | --- | --- |
| Sample Date | 15 Aug 2023 | --- | --- | --- |
| Machine Hours | 944 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | N/A | --- | --- | --- |
| Sample Status | ATTENTION | --- | --- | --- |



OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ▲ 226 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------|-----|-----|-----|
| Silicon | ppm | ■ 1107 | --- | --- | --- |
| Sodium | ppm | ■ 2 | --- | --- | --- |
| Potassium | ppm | ■ 14 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Iron | ppm | ■ 4580 | --- | --- | --- |
| Copper | ppm | ■ 5 | --- | --- | --- |
| Lead | ppm | ■ <1 | --- | --- | --- |
| Tin | ppm | ■ 0 | --- | --- | --- |
| Aluminum | ppm | ■ 58 | --- | --- | --- |
| Chromium | ppm | ■ 48 | --- | --- | --- |
| Molybdenum | ppm | ■ 6 | --- | --- | --- |
| Nickel | ppm | ■ 11 | --- | --- | --- |
| Titanium | ppm | ■ 13 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | ▲ 52 | --- | --- | --- |
| Vanadium | ppm | <1 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | ▲ 26 | --- | --- | --- |
| Magnesium | ppm | ▲ 4 | --- | --- | --- |
| Zinc | ppm | ▲ 25 | --- | --- | --- |
| Phosphorus | ppm | ▲ 254 | --- | --- | --- |
| Barium | ppm | ■ 0 | --- | --- | --- |
| Boron | ppm | ■ 2 | --- | --- | --- |

Diagnosis

No corrective action is recommended at this time. 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 oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Depot: VOLVO6244
Unique No: 10616973
Signed: Jonathan Hester
Report Date: 25 Aug 2023

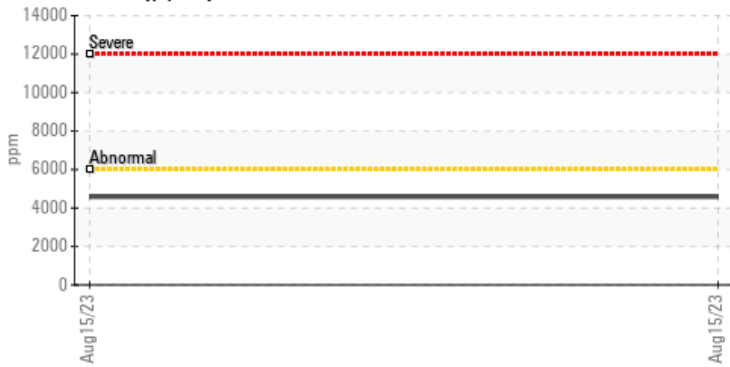


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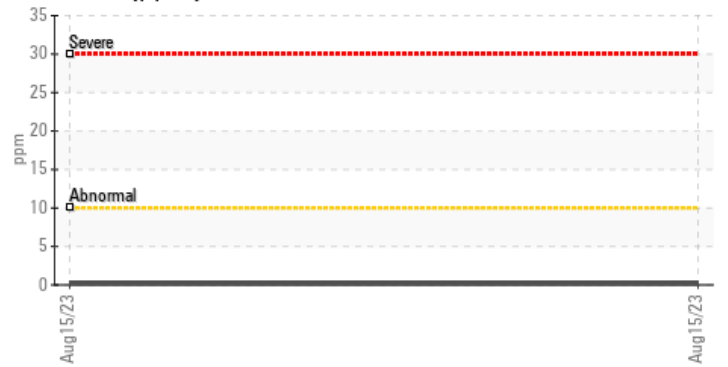


GRAPHS

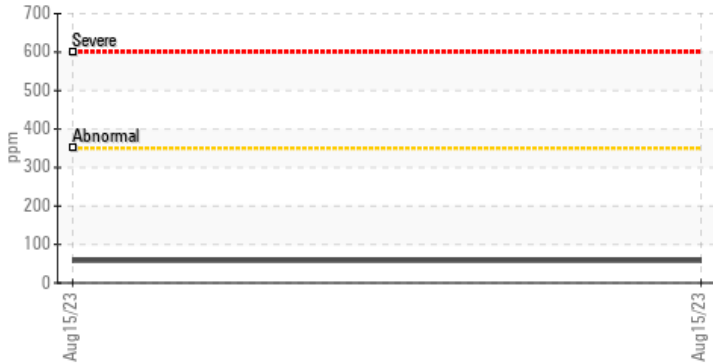
Iron (ppm)



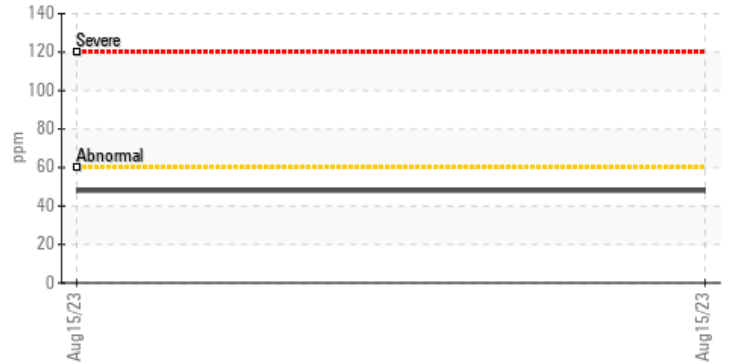
Lead (ppm)



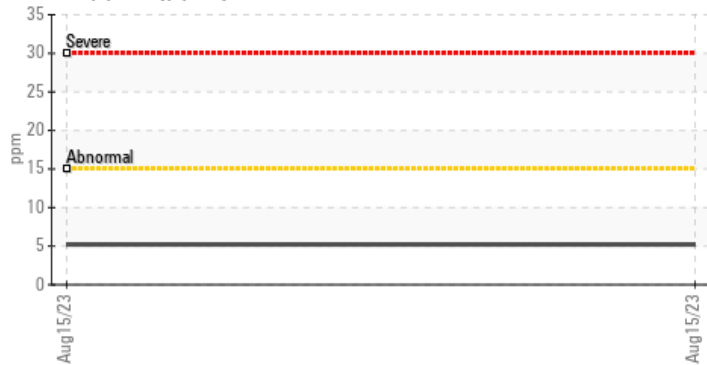
Aluminum (ppm)



Chromium (ppm)



Copper (ppm)



Silicon (ppm)



▲ Viscosity @ 40°C



▲ Additives

