



CONSTRUCTION EQUIPMENT

W07012019-1 STANLEY VOLVO A45G 342044 - BRAKE COOLING SYSTEM



Sample No: VCP401331
Oil Type: VOLVO WB 102
Job No: W07012019-1 STANLEY



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP401331 | VCP276070 | --- | --- |
| Sample Date | 02 Feb 2023 | 10 Jul 2020 | --- | --- |
| Machine Hours | 8248 | 4237 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | ABNORMAL | ABNORMAL | --- | --- |

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 T:
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OIL CONDITION

| | | | | | |
|-------------|-----|------|------|-----|-----|
| Visc @ 40°C | cSt | 41.6 | 40.3 | --- | --- |
|-------------|-----|------|------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|----|----|-----|-----|
| Silicon | ppm | 16 | 16 | --- | --- |
| Sodium | ppm | 2 | 6 | --- | --- |
| Potassium | ppm | 1 | 2 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Iron | ppm | 51 | 36 | --- | --- |
| Copper | ppm | 166 | 236 | --- | --- |
| Lead | ppm | 0 | <1 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | 2 | 1 | --- | --- |
| Chromium | ppm | 1 | <1 | --- | --- |
| Molybdenum | ppm | 0 | 0 | --- | --- |
| Nickel | ppm | 4 | 5 | --- | --- |
| Titanium | ppm | <1 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 1 | 1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|------|-----|-----|
| Calcium | ppm | 3776 | 3567 | --- | --- |
| Magnesium | ppm | 12 | 7 | --- | --- |
| Zinc | ppm | 1493 | 1436 | --- | --- |
| Phosphorus | ppm | 1243 | 1156 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 140 | 102 | --- | --- |

Diagnosis

The fluid change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO8882
Unique No: 10325659
Signed: Don Baldrige
Report Date: 08 Feb 2023

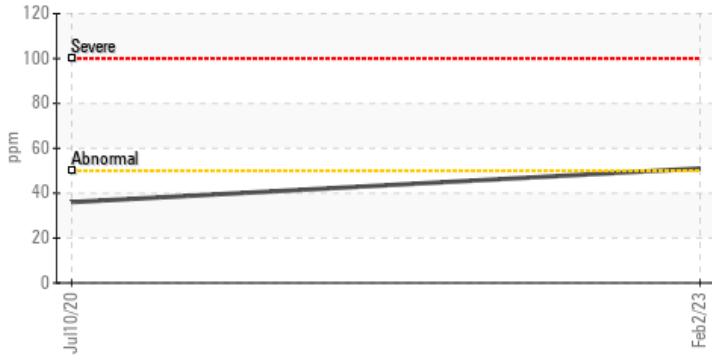


CONSTRUCTION EQUIPMENT

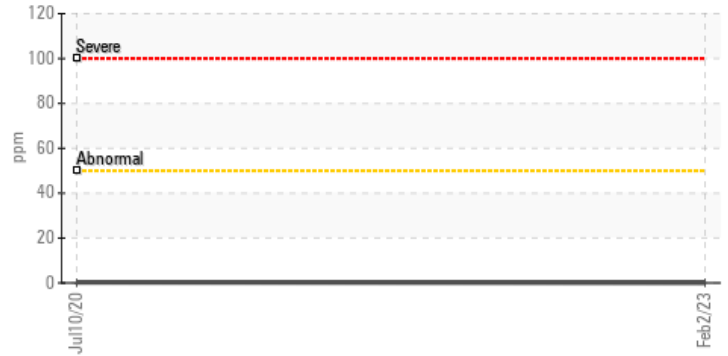


GRAPHS

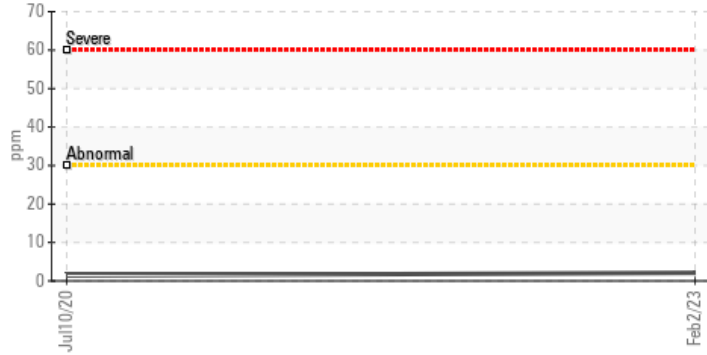
▲ Iron (ppm)



Lead (ppm)



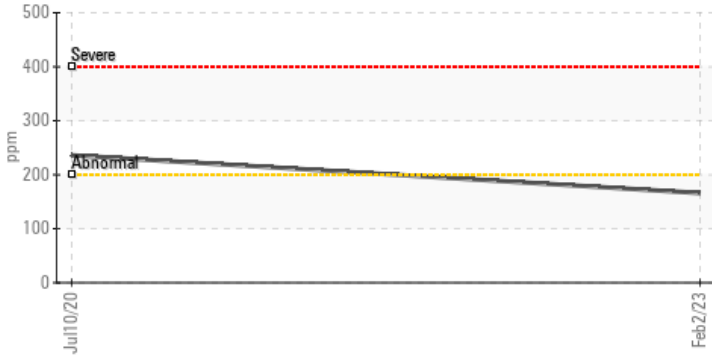
Aluminum (ppm)



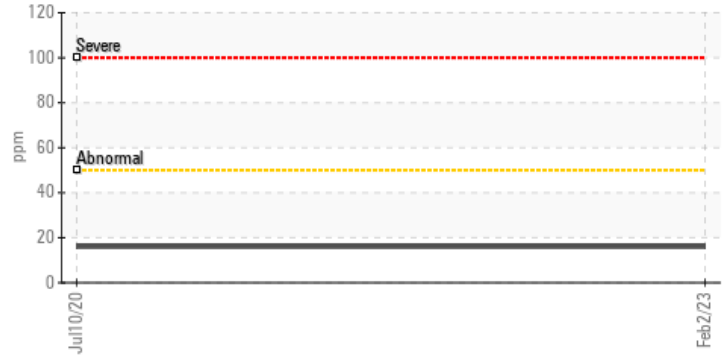
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

