



CONSTRUCTION EQUIPMENT

468033 ASTEC RP195E 4521 - HYDRAULIC SYSTEM



Sample No: VCP434445
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 468033



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP434445 | --- | --- | --- |
| Sample Date | 23 Feb 2024 | --- | --- | --- |
| Machine Hours | 668 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Not Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
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OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 46.4 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 0.42 | --- | --- | --- |



CONTAMINATION

| | | | | | |
|-------------------|-----|----------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Particles >4µm | | ▲ 44221 | --- | --- | --- |
| Particles >6µm | | ▲ 9520 | --- | --- | --- |
| Particles >14µm | | ▲ 377 | --- | --- | --- |
| ISO 4406:1999 (c) | | 23/20/16 | --- | --- | --- |
| Silicon | ppm | █ 4 | --- | --- | --- |
| Sodium | ppm | █ 0 | --- | --- | --- |
| Potassium | ppm | █ 2 | --- | --- | --- |

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 3 | --- | --- | --- |
| Copper | ppm | █ 4 | --- | --- | --- |
| Lead | ppm | █ 1 | --- | --- | --- |
| Tin | ppm | █ 1 | --- | --- | --- |
| Aluminum | ppm | █ 3 | --- | --- | --- |
| Chromium | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 2 | --- | --- | --- |
| Nickel | ppm | █ <1 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ <1 | --- | --- | --- |
| Vanadium | ppm | <1 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | █ 268 | --- | --- | --- |
| Magnesium | ppm | █ 60 | --- | --- | --- |
| Zinc | ppm | █ 426 | --- | --- | --- |
| Phosphorus | ppm | █ 313 | --- | --- | --- |
| Barium | ppm | █ 1 | --- | --- | --- |
| Boron | ppm | █ 5 | --- | --- | --- |

Depot: VOLVO2990
Unique No: 10943506
Signed: Don Baldrige
Report Date: 29 Mar 2024

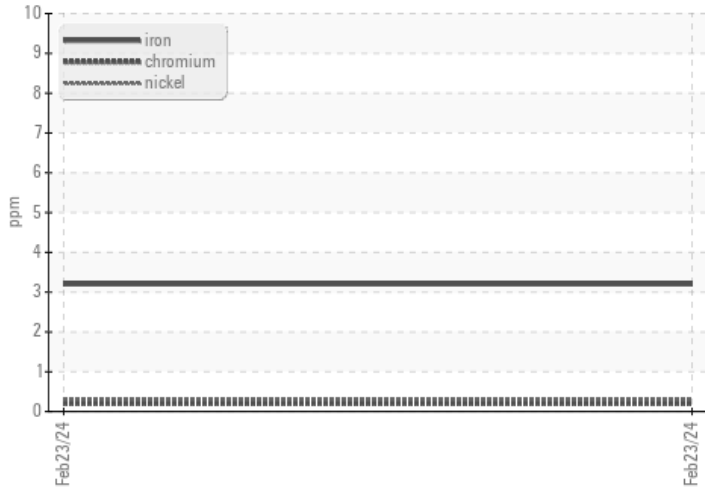


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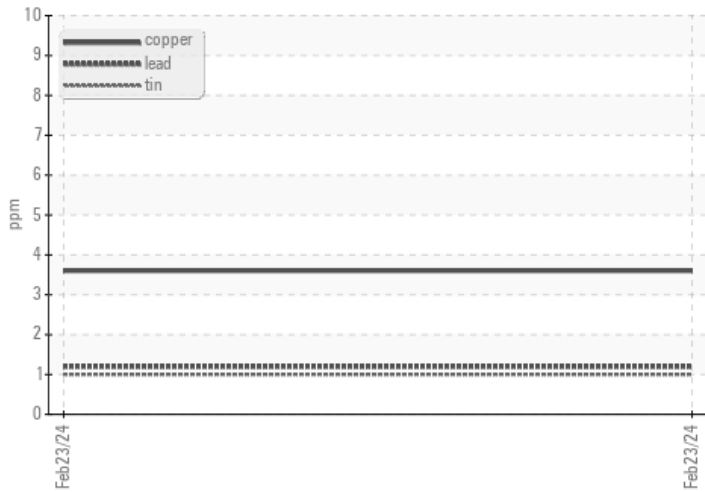


VOLVO GRAPHS

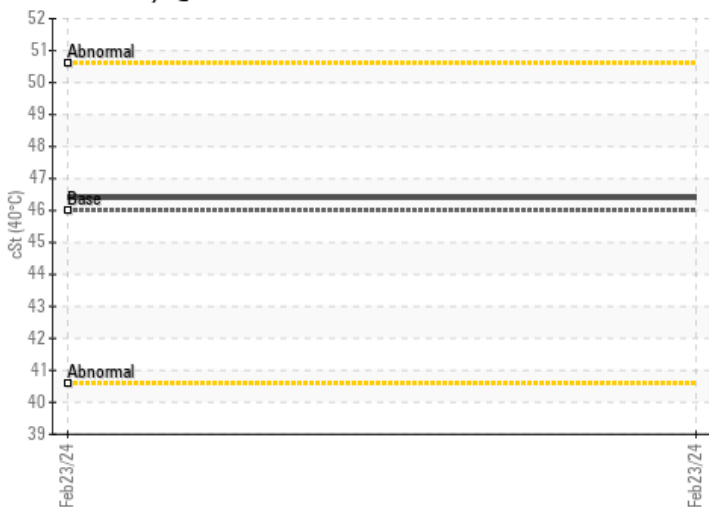
Ferrous Alloys



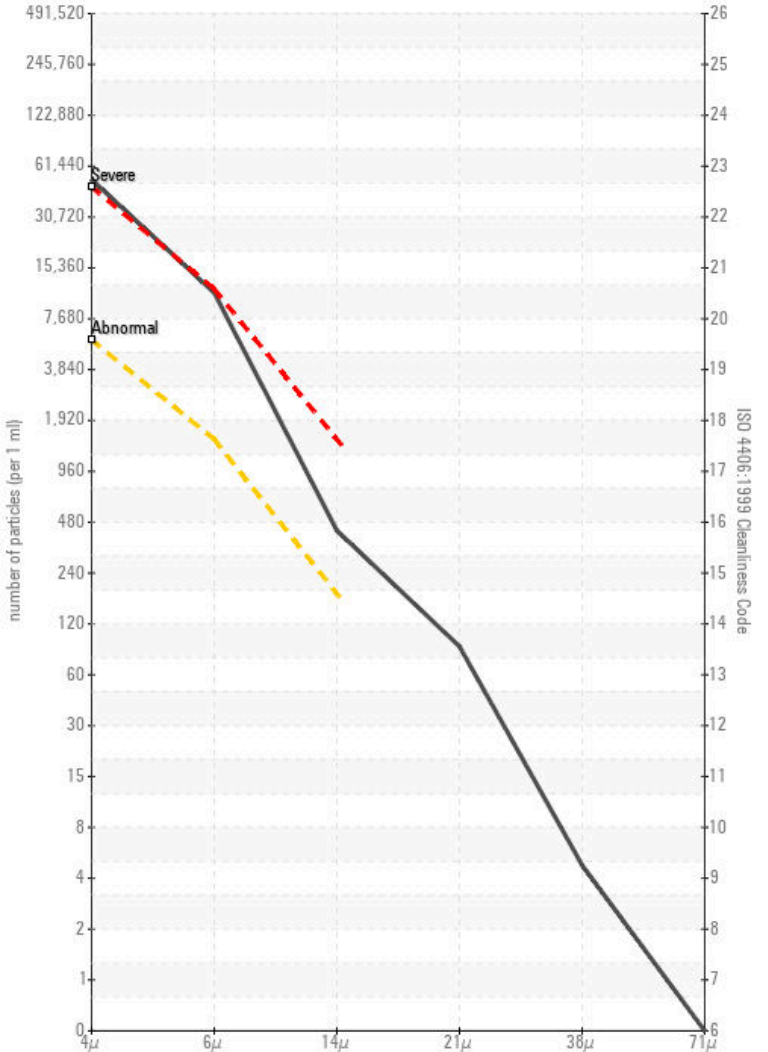
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

