



CONSTRUCTION EQUIPMENT

R24957 IAA-AVENEL VOLVO L90G 3314 - HYDRAULIC SYSTEM



Sample No: VCP441495
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: R24957 IAA-AVENEL



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP441495 | --- | --- | --- |
| Sample Date | 01 May 2024 | --- | --- | --- |
| Machine Hours | 20066 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

HOFFMAN EQUIPMENT INC
 300 S RANDOLPHVILLE RD
 PISCATAWAY, NJ
 US 08854
 Contact: IOANA BODOCHI
 ioana.bodochi@hoffmanequip.com
 T:
 F: (732)968-8371



OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 41.8 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 0.36 | --- | --- | --- |



CONTAMINATION

| | | | | | |
|-------------------|-----|----------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Particles >4µm | | █ 11092 | --- | --- | --- |
| Particles >6µm | | █ 907 | --- | --- | --- |
| Particles >14µm | | █ 14 | --- | --- | --- |
| ISO 4406:1999 (c) | | 21/17/11 | --- | --- | --- |
| Silicon | ppm | █ 8 | --- | --- | --- |
| Sodium | ppm | █ 3 | --- | --- | --- |
| Potassium | ppm | █ 0 | --- | --- | --- |

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.
 All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

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



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | █ 336 | --- | --- | --- |
| Magnesium | ppm | █ 5 | --- | --- | --- |
| Zinc | ppm | █ 474 | --- | --- | --- |
| Phosphorus | ppm | █ 382 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 1 | --- | --- | --- |

Depot: HOFPISNJ
Unique No: 11018623
Signed: Wes Davis
Report Date: 09 May 2024

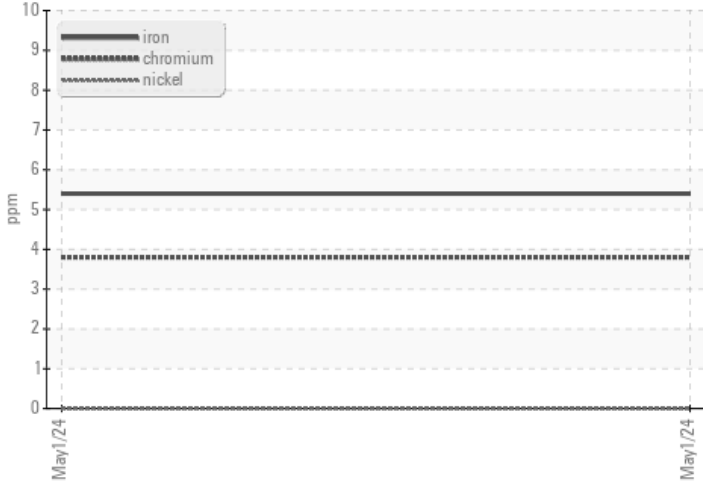


CONSTRUCTION EQUIPMENT

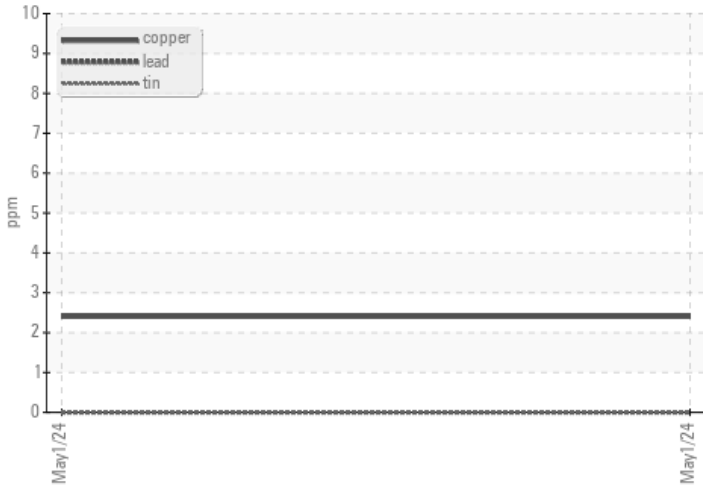


VOLVO GRAPHS

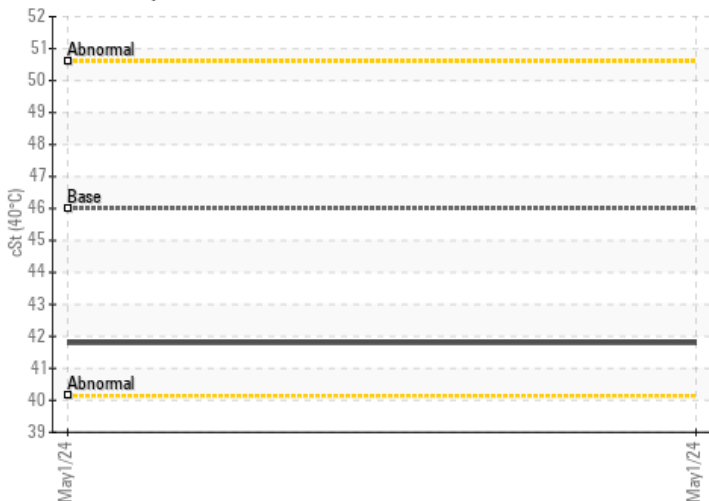
Ferrous Alloys



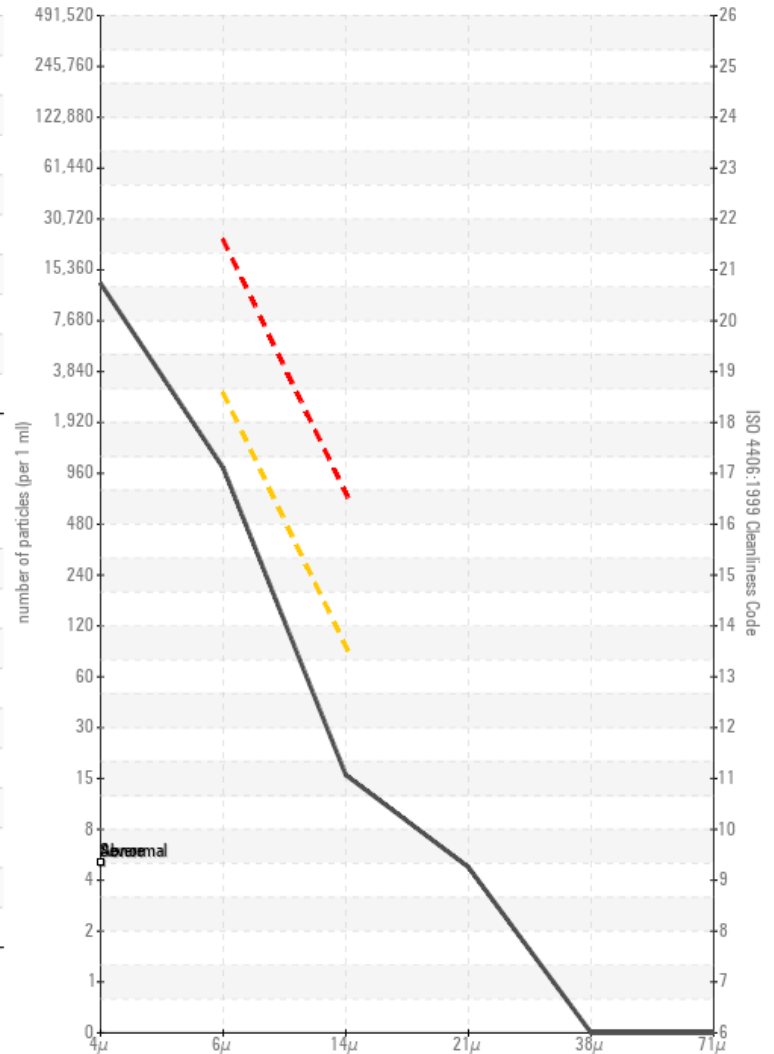
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

