



CONSTRUCTION EQUIPMENT

SWO-072798 APAC AL WEILER 2850A 1533 - HYDRAULIC SYSTEM



Sample No: VCP443988
Oil Type: AW HYDRAULIC OIL ISO 32
Job No: SWO-072798 APAC AL



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP443988 | --- | --- | --- |
| Sample Date | 11 Jun 2024 | --- | --- | --- |
| Machine Hours | 4072 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

COWIN EQUIPMENT COMPANY

2238 PINSON VALLEY PARKWAY
 BIRMINGHAM, AL
 US 35217
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 T:
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OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 38.1 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | ■ 0.39 | --- | --- | --- |



CONTAMINATION

| | | | | | |
|-------------------|-----|---------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Particles >4µm | | ▲ 17473 | --- | --- | --- |
| Particles >6µm | | ● 1883 | --- | --- | --- |
| Particles >14µm | | ■ 4 | --- | --- | --- |
| ISO 4406:1999 (c) | | 21/18/9 | --- | --- | --- |
| Silicon | ppm | ■ 2 | --- | --- | --- |
| Sodium | ppm | ■ 1 | --- | --- | --- |
| Potassium | ppm | ■ <1 | --- | --- | --- |

Diagnosis

Oil and 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 silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | ■ 10 | --- | --- | --- |
| Copper | ppm | ■ 4 | --- | --- | --- |
| Lead | ppm | ■ 1 | --- | --- | --- |
| Tin | ppm | ■ <1 | --- | --- | --- |
| Aluminum | ppm | ■ 2 | --- | --- | --- |
| Chromium | ppm | ■ <1 | --- | --- | --- |
| Molybdenum | ppm | ■ 2 | --- | --- | --- |
| Nickel | ppm | ■ <1 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | ■ <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | ■ 152 | --- | --- | --- |
| Magnesium | ppm | ■ 7 | --- | --- | --- |
| Zinc | ppm | ■ 397 | --- | --- | --- |
| Phosphorus | ppm | ■ 348 | --- | --- | --- |
| Barium | ppm | ■ 0 | --- | --- | --- |
| Boron | ppm | ■ 1 | --- | --- | --- |

Depot: VOLVO8528
Unique No: 11084387
Signed: Angela Borella
Report Date: 18 Jun 2024

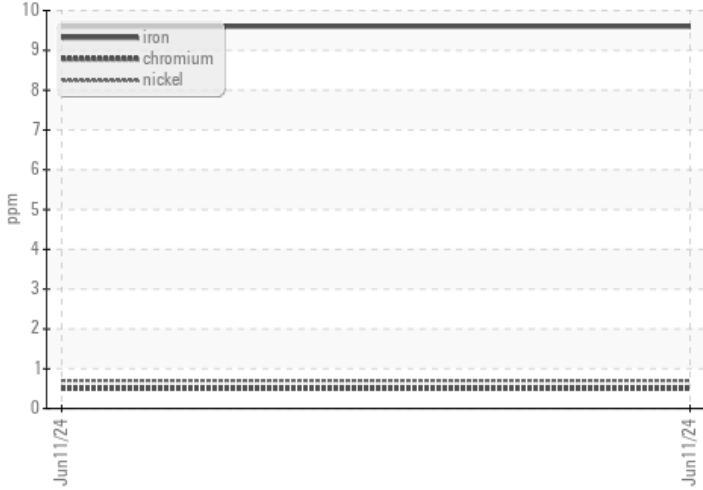


CONSTRUCTION EQUIPMENT

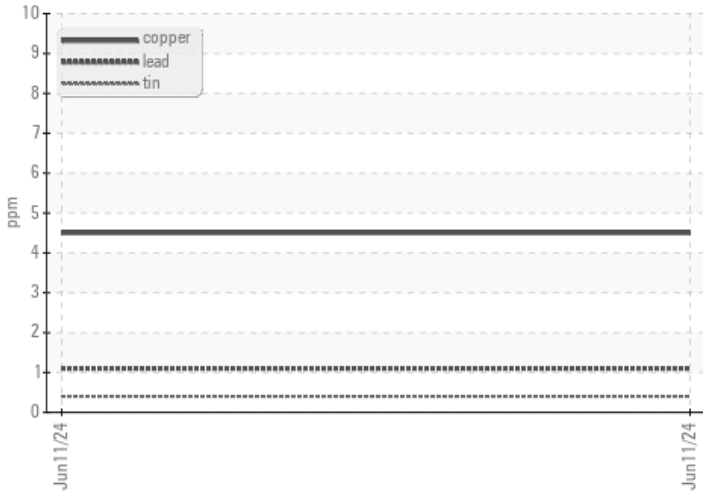


GRAPHS

Ferrous Alloys



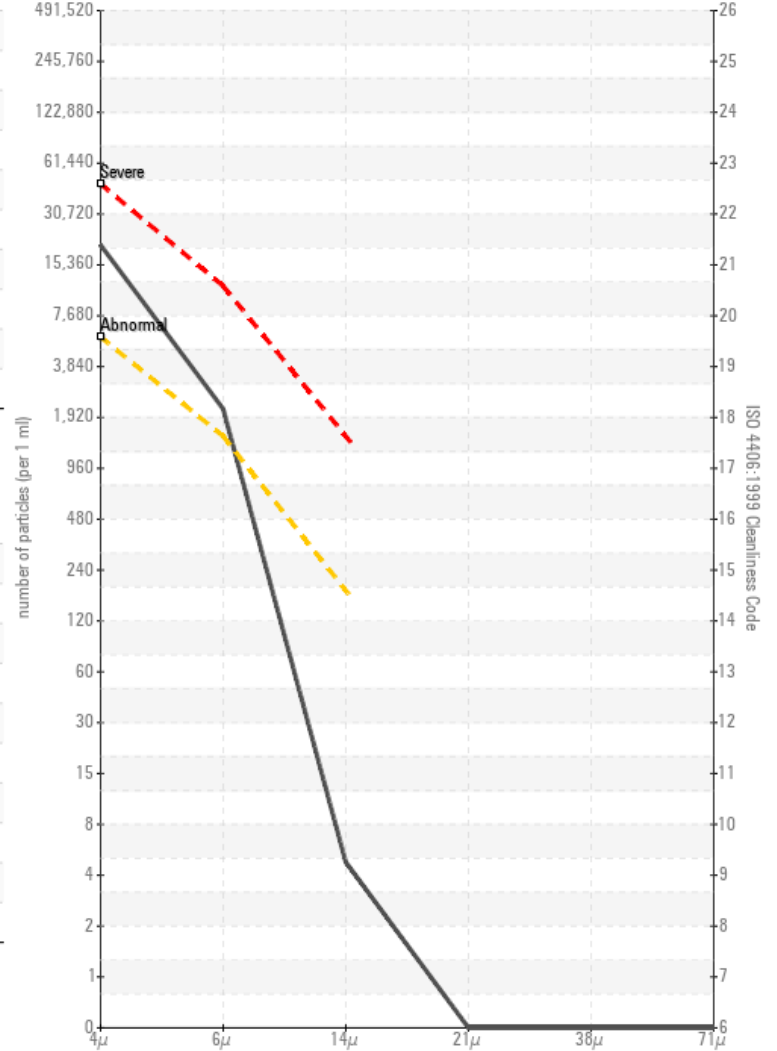
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

