



CONSTRUCTION EQUIPMENT

VOLVO ECR355EL 314257 - HYDRAULIC SYSTEM



Sample No: VCP0007370
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP0007370	VCP362446	---	---
Sample Date	25 Sep 2023	16 Mar 2022	---	---
Machine Hours	493	493	---	---
Oil Hours	493	493	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	ATTENTION	ABNORMAL	---	---

ALTA EQUIPMENT COMPANY
 8750 PHILIPS HWY
 JACKSONVILLE, FL
 US 32256
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OIL CONDITION

Visc @ 40°C	cSt	45.1	44.5	---	---
Acid Number (AN)	mg KOH/g	0.38	0.42	---	---



CONTAMINATION

Particles >4µm		▲ 63785	---	---	---
Particles >6µm		9517	---	---	---
Particles >14µm		236	---	---	---
ISO 4406:1999 (c)		23/20/15	---	---	---
Silicon	ppm	2	2	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	<1	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 a moderate amount of silt (particulates < 6 microns in size) 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	8	5	---	---
Copper	ppm	15	17	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	3	2	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	146	88	---	---
Magnesium	ppm	15	2	---	---
Zinc	ppm	387	463	---	---
Phosphorus	ppm	342	352	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	0	---	---

Depot: VOLVO0092
Unique No: 10670058
Signed: Jonathan Hester
Report Date: 02 Oct 2023

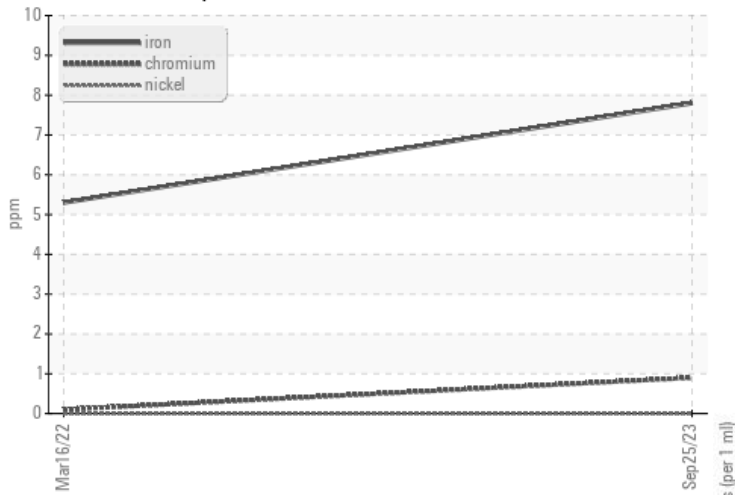


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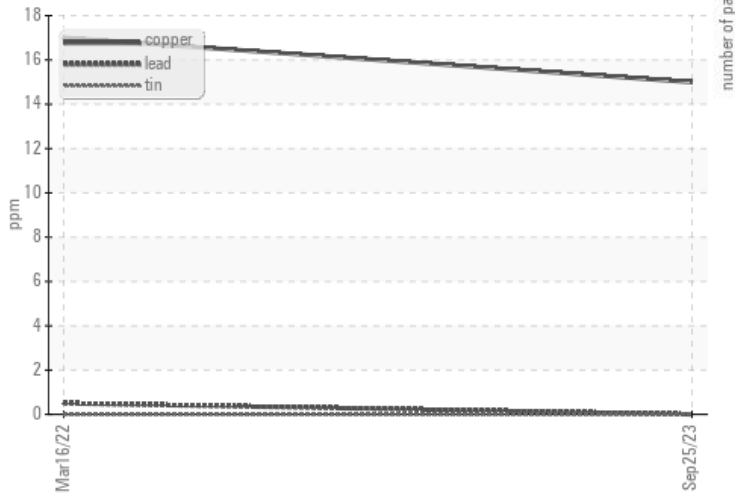


GRAPHS

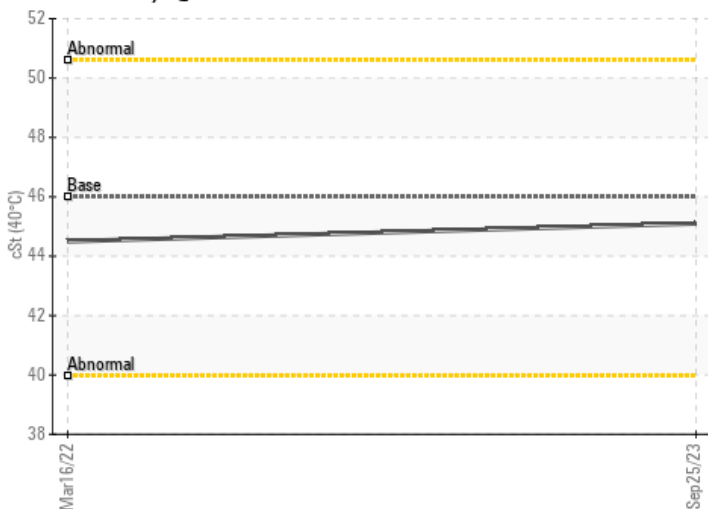
Ferrous Alloys



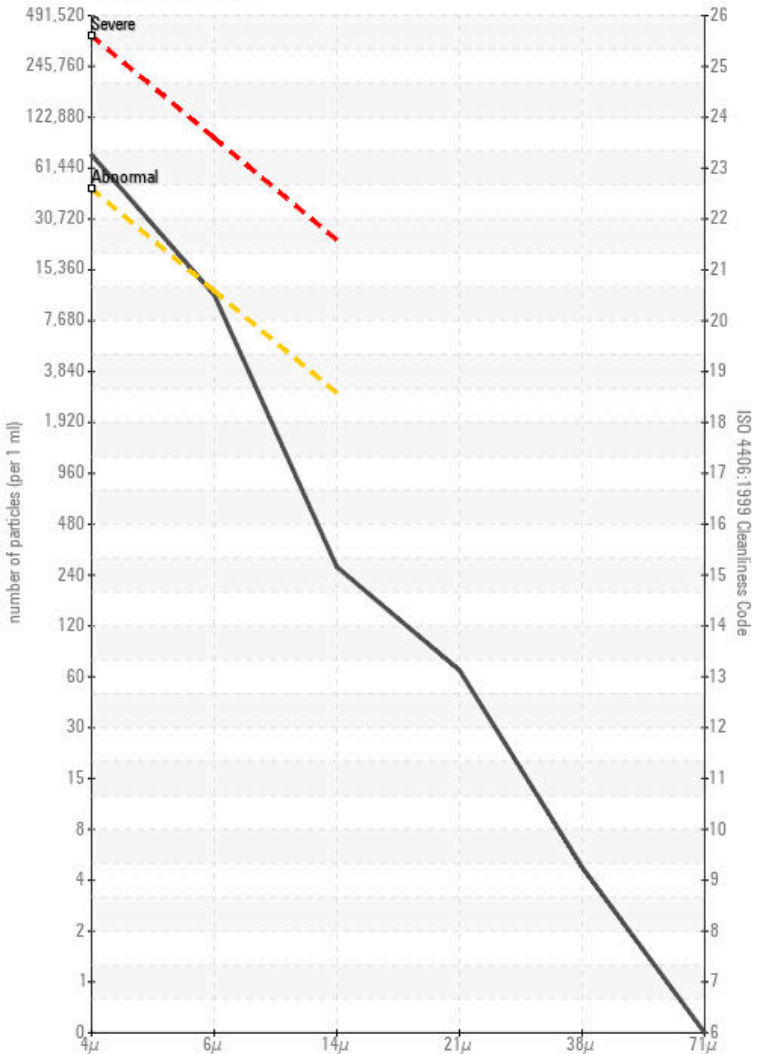
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

