



CONSTRUCTION EQUIPMENT

68914 VOLVO EC350EL 310558 - HYDRAULIC SYSTEM



Sample No: VCP309812
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 68914



SAMPLE INFORMATION

Sample Number	VCP309812	VCP280291	VCP259175	---
Sample Date	12 May 2021	29 Jun 2020	25 Sep 2019	---
Machine Hours	2666	2204	1696	---
Oil Hours	2666	2204	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	SEVERE	ATTENTION	---

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OIL CONDITION

Visc @ 40°C	cSt	42.0	43.3	43.5	---
Acid Number (AN)	mg KOH/g	0.466	0.417	0.445	---



CONTAMINATION

Particles >4µm		1260	---	▲ 63748	---
Particles >6µm		208	---	▲ 17021	---
Particles >14µm		19	---	1104	---
ISO 4406:1999 (c)		17/15/11	---	23/21/17	---
Silicon	ppm	22	6	6	---
Sodium	ppm	1	<1	<1	---
Potassium	ppm	0	<1	<1	---

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	4	5	3	---
Copper	ppm	32	25	17	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	2	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	<1	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	<1	<1	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	73	58	52	---
Magnesium	ppm	1	1	0	---
Zinc	ppm	417	413	413	---
Phosphorus	ppm	339	341	345	---
Barium	ppm	0	<1	0	---
Boron	ppm	1	2	<1	---

Depot: VOLVO0096
Unique No: 9527496
Signed: Wes Davis
Report Date: 03 Jun 2021

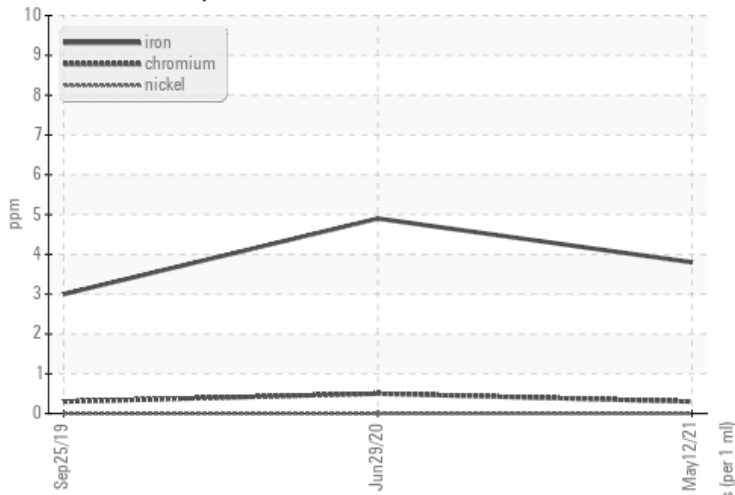


CONSTRUCTION EQUIPMENT

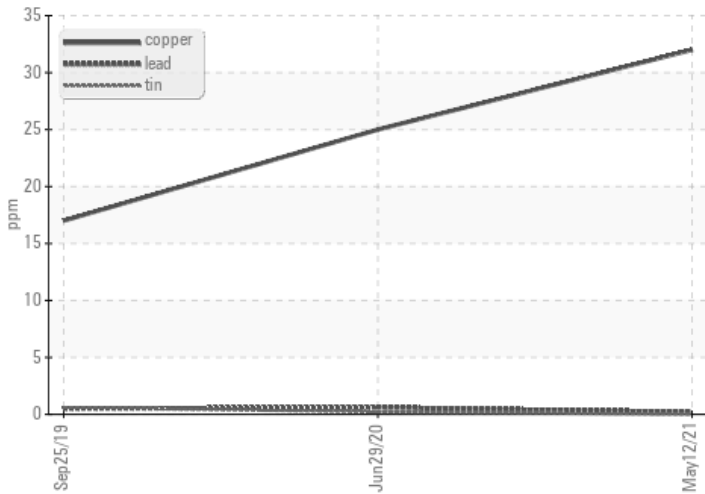


GRAPHS

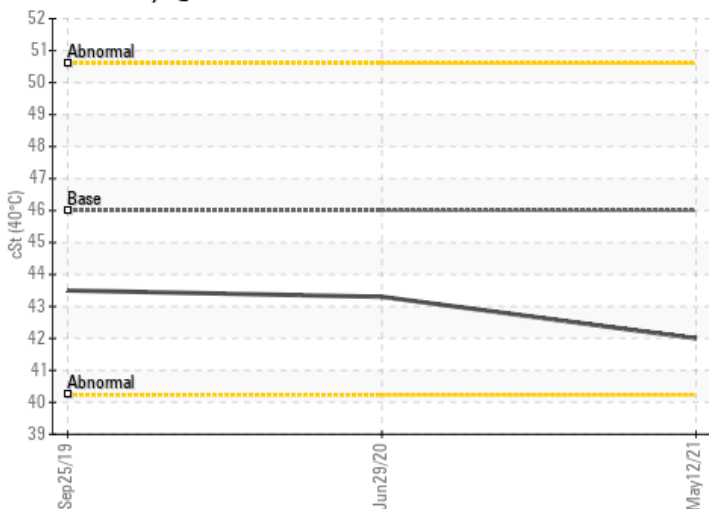
Ferrous Alloys



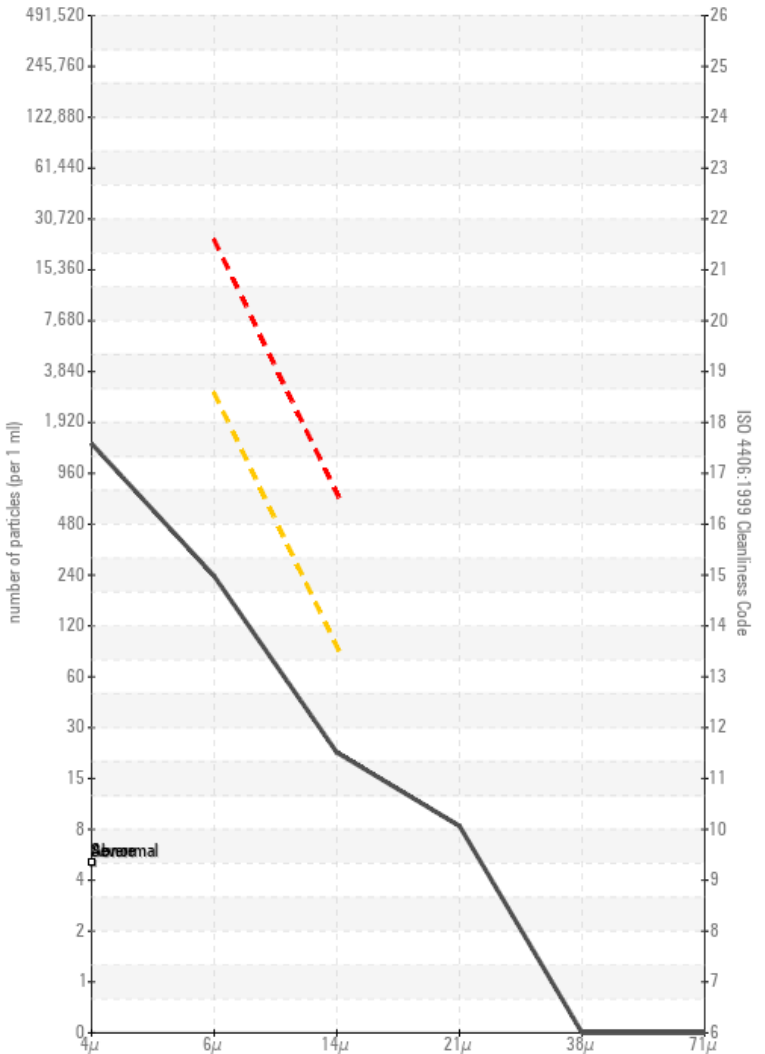
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

