



CONSTRUCTION EQUIPMENT

SPM606742 ATLAS ORG VOLVO EC220E 314134 - HYDRAULIC SYSTEM



Sample No: VCP418343
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM606742 ATLAS ORG



SAMPLE INFORMATION

Sample Number	VCP418343	VCP417240	---	---
Sample Date	12 Sep 2023	21 Jun 2023	---	---
Machine Hours	7093	6525	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

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OIL CONDITION

Visc @ 40°C	cSt	45.0	45.1	---	---
Acid Number (AN)	mg KOH/g	0.39	0.38	---	---



CONTAMINATION

Particles >4µm		28493	7367	---	---
Particles >6µm		3181	1563	---	---
Particles >14µm		23	94	---	---
ISO 4406:1999 (c)		22/19/12	20/18/14	---	---
Silicon	ppm	6	5	---	---
Sodium	ppm	4	2	---	---
Potassium	ppm	0	<1	---	---

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	17	15	---	---
Copper	ppm	29	26	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	1	2	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	91	87	---	---
Magnesium	ppm	15	10	---	---
Zinc	ppm	376	402	---	---
Phosphorus	ppm	302	337	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0093
Unique No: 10657625
Signed: Wes Davis
Report Date: 21 Sep 2023

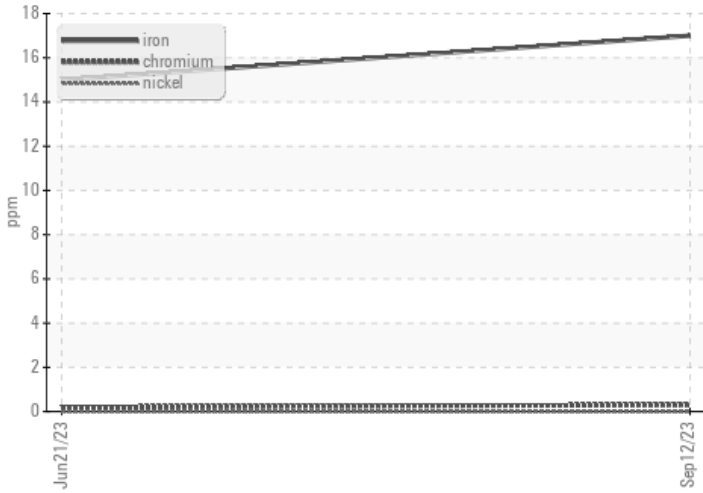


CONSTRUCTION EQUIPMENT

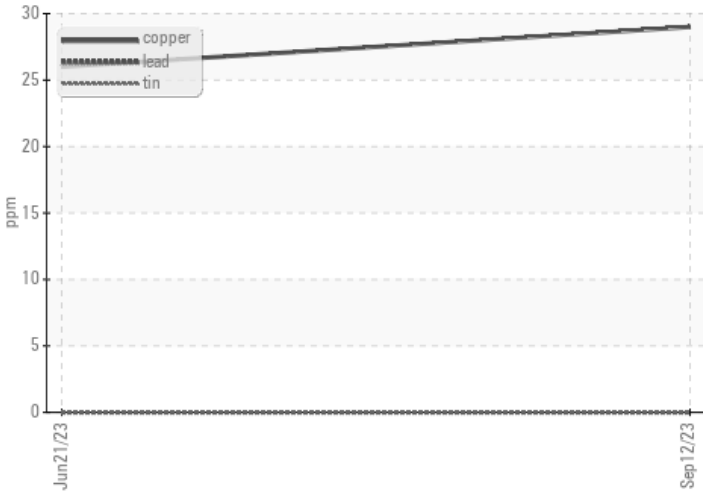


VOLVO GRAPHS

Ferrous Alloys



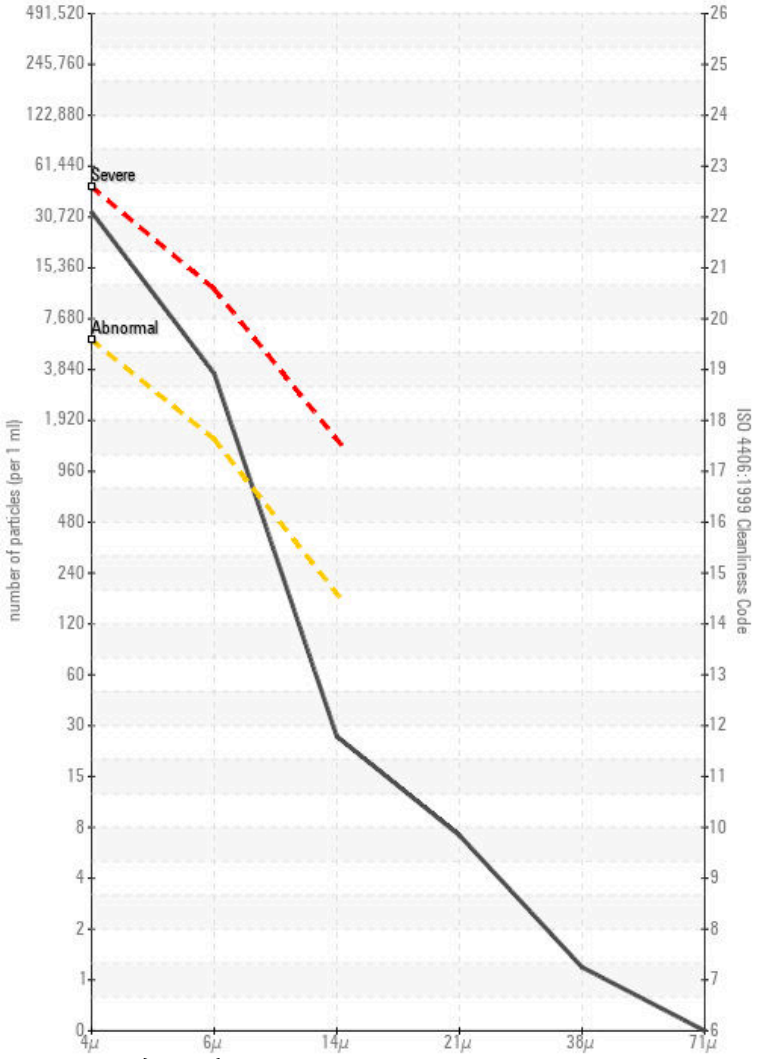
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

