



CONSTRUCTION EQUIPMENT

594927 STONE CO VOLVO EC350E 314488 - HYDRAULIC SYSTEM



Sample No: VCP412463
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 594927 STONE CO



SAMPLE INFORMATION

Sample Number	VCP412463	VCP414129	---	---
Sample Date	28 Aug 2023	15 Jun 2023	---	---
Machine Hours	1004	492	---	---
Oil Hours	1004	492	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
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OIL CONDITION

Visc @ 40°C	cSt	41.5	42.5	---	---
Acid Number (AN)	mg KOH/g	0.48	0.49	---	---



CONTAMINATION

Particles >4µm		14718	21735	---	---
Particles >6µm		1682	9811	---	---
Particles >14µm		19	1123	---	---
ISO 4406:1999 (c)		21/18/11	22/20/17	---	---
Silicon	ppm	3	3	---	---
Sodium	ppm	0	0	---	---
Potassium	ppm	<1	<1	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	4	3	---	---
Copper	ppm	31	25	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	111	123	---	---
Magnesium	ppm	2	2	---	---
Zinc	ppm	531	580	---	---
Phosphorus	ppm	405	428	---	---
Barium	ppm	2	2	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO2990
Unique No: 10632721
Signed: Doug Bogart
Report Date: 07 Sep 2023

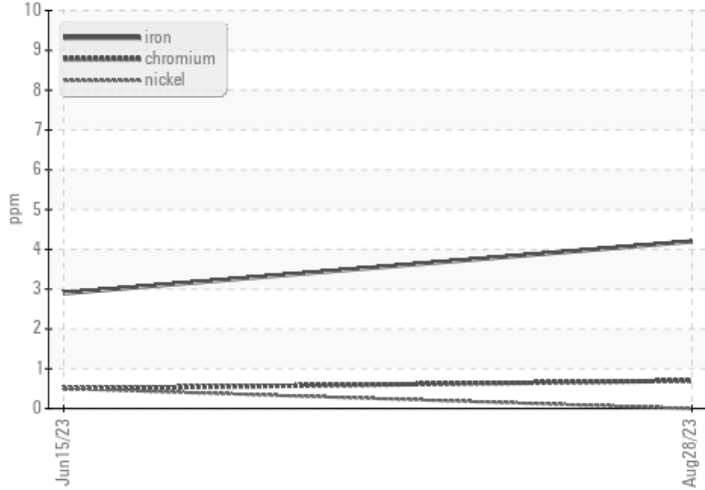


CONSTRUCTION EQUIPMENT

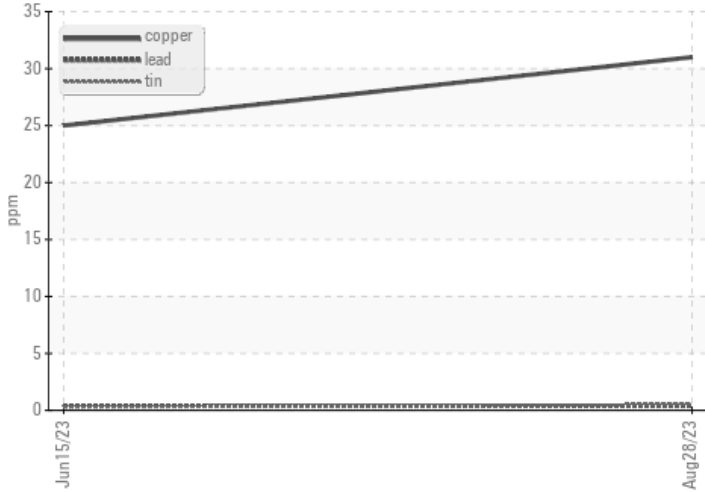


VOLVO GRAPHS

Ferrous Alloys



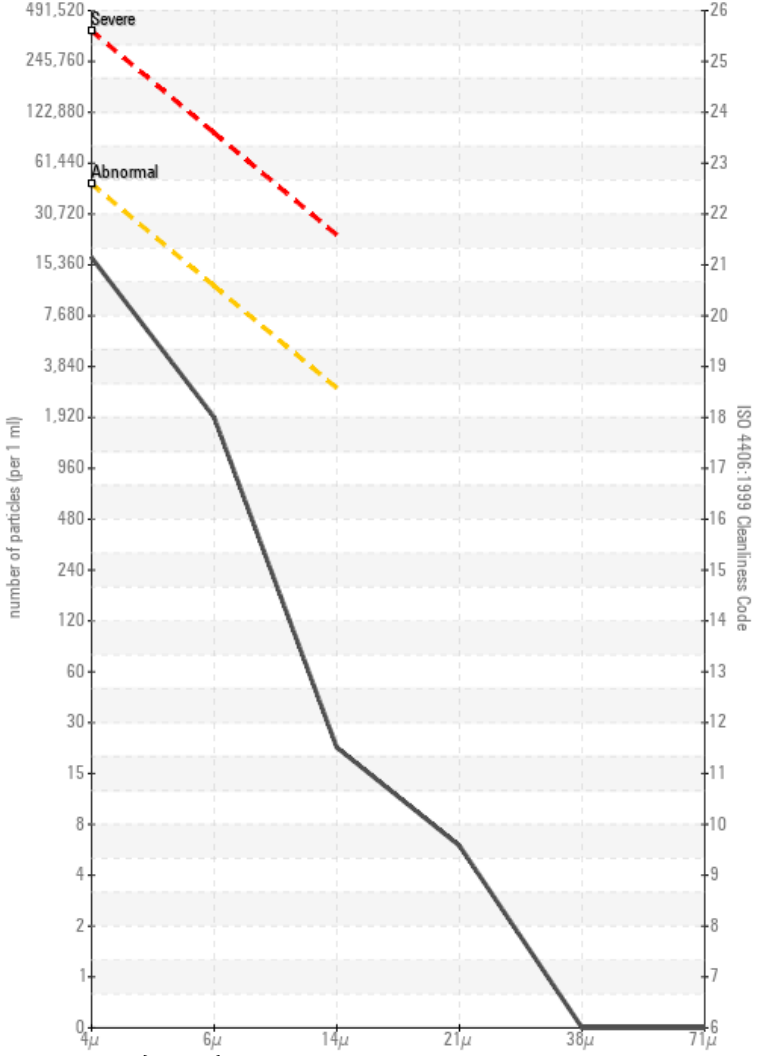
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

