



CONSTRUCTION EQUIPMENT

534598 GEN ASPHALT VOLVO L90H 623733 - HYDRAULIC SYSTEM



Sample No: VCP451155
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 534598 GEN ASPHALT



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: JOHN FARDELLA
 john.fardella@altg.com
 T: (813)630-0077
 F: (813)630-2233



SAMPLE INFORMATION

Sample Number	VCP451155	VCP438945	VCP401710	VCP417235
Sample Date	15 Apr 2024	22 Jan 2024	12 Oct 2023	29 Jun 2023
Machine Hours	12273	7807	7240	6673
Oil Hours	1000	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	SEVERE	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	49.1	43.9	43.9	42.8
Acid Number (AN)	mg KOH/g	0.42	0.76	0.43	0.34



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		6604	34321	1057	1552
Particles >6µm		874	10780	278	295
Particles >14µm		23	884	26	29
ISO 4406:1999 (c)		20/17/12	22/21/17	17/15/12	18/15/12
Silicon	ppm	2	2	1	2
Sodium	ppm	2	<1	0	<1
Potassium	ppm	1	<1	0	2



WEAR METALS

Iron	ppm	<1	4	4	7
Copper	ppm	2	<1	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	<1	<1	0	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	<1	3	2	2
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	301	136	93	82
Magnesium	ppm	11	15	6	13
Zinc	ppm	510	423	430	449
Phosphorus	ppm	405	381	340	351
Barium	ppm	0	0	0	0
Boron	ppm	19	6	4	1

Diagnosis

Resample at the next service interval to monitor. 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.

Depot: VOLVO0093
Unique No: 11036262
Signed: Wes Davis
Report Date: 22 May 2024

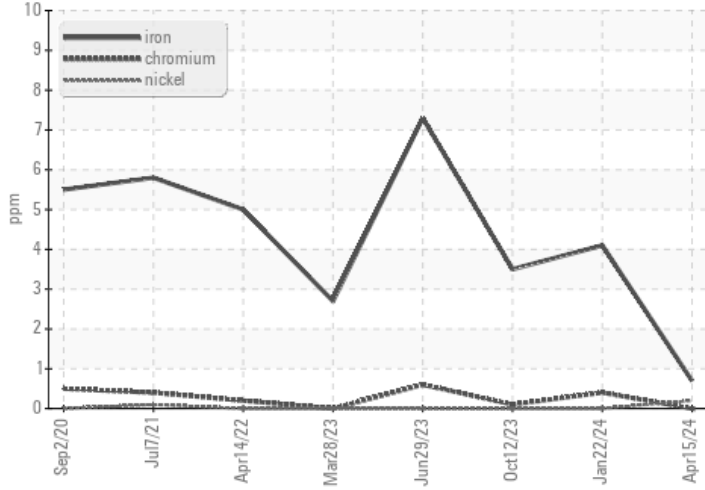


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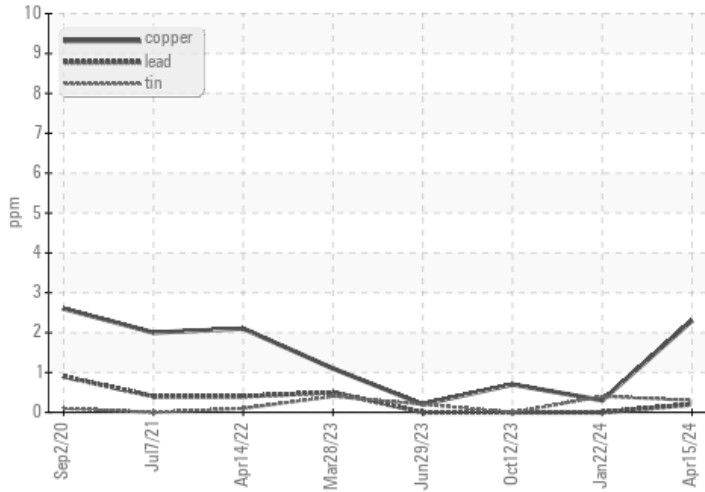


VOLVO GRAPHS

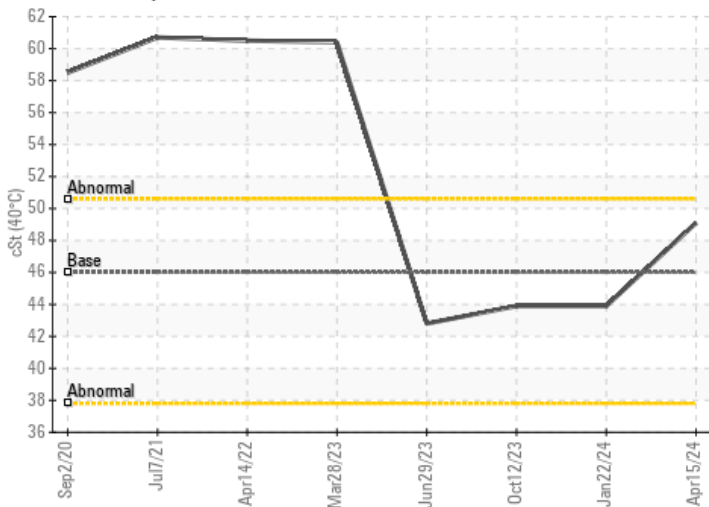
Ferrous Alloys



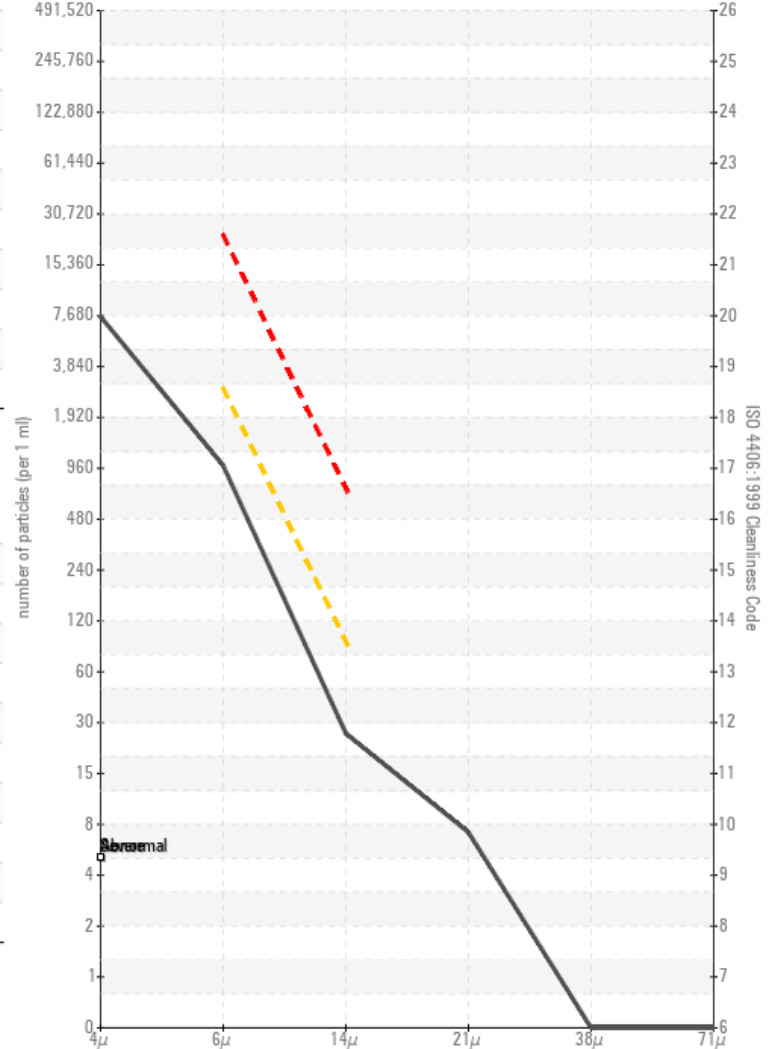
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

