



CONSTRUCTION EQUIPMENT

W07013061 VOLVO L90E 67920 - HYDRAULIC SYSTEM



Sample No: VCP409415
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: W07013061



McClung-Logan Virginia LLC- RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
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SAMPLE INFORMATION

Sample Number	VCP409415	VCP321330	VCP223670	---
Sample Date	31 Jul 2023	03 Aug 2021	18 Jul 2018	---
Machine Hours	6146	4732	2253	---
Oil Hours	2000	0	0	---
Oil Changed	Not Chngd	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	43.7	42.7	42.03	---
Acid Number (AN)	mg KOH/g	0.20	0.237	0.296	---



CONTAMINATION

Particles >4µm		2707	2342	11037	---
Particles >6µm		403	342	1226	---
Particles >14µm		34	21	58	---
ISO 4406:1999 (c)		19/16/12	18/16/12	21/17/13	---
Silicon	ppm	1	<1	2	---
Sodium	ppm	<1	0	<1	---
Potassium	ppm	0	<1	0	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	91	115	87	---
Magnesium	ppm	6	4	6	---
Zinc	ppm	438	461	439	---
Phosphorus	ppm	352	351	331	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	4	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.

Depot: VOLVO8882
Unique No: 10604098
Signed: Don Baldrige
Report Date: 15 Aug 2023

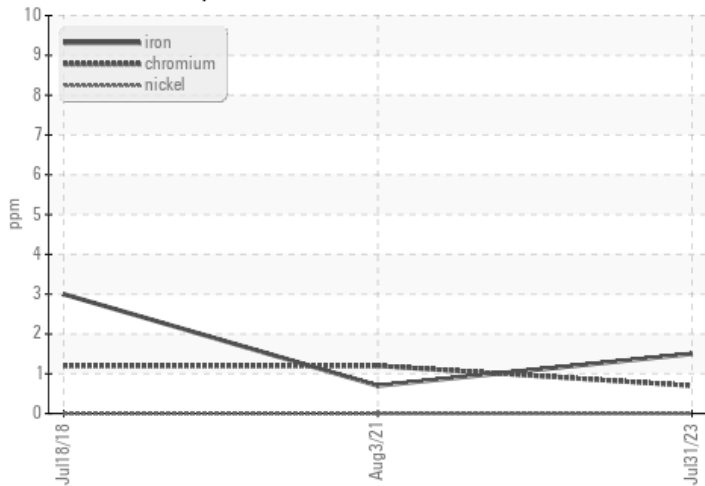


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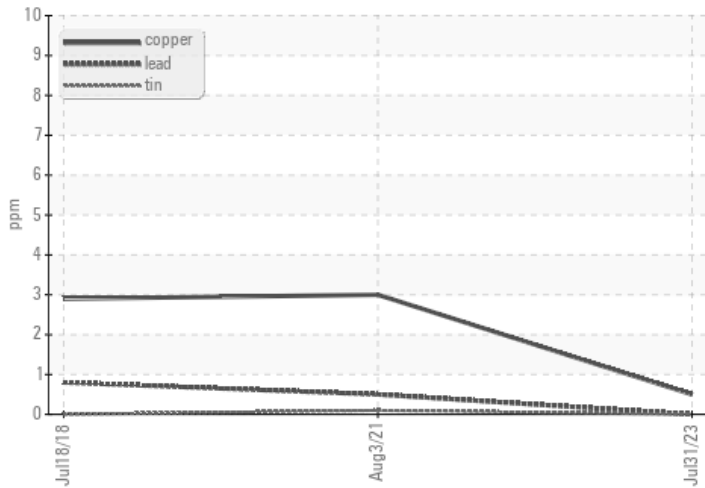


VOLVO GRAPHS

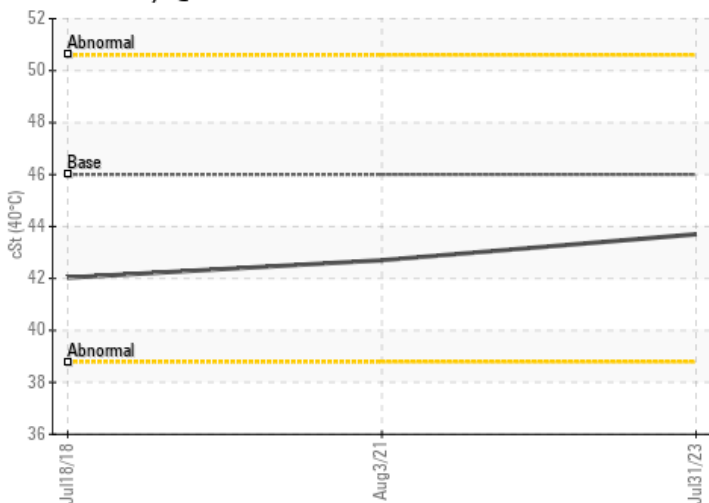
Ferrous Alloys



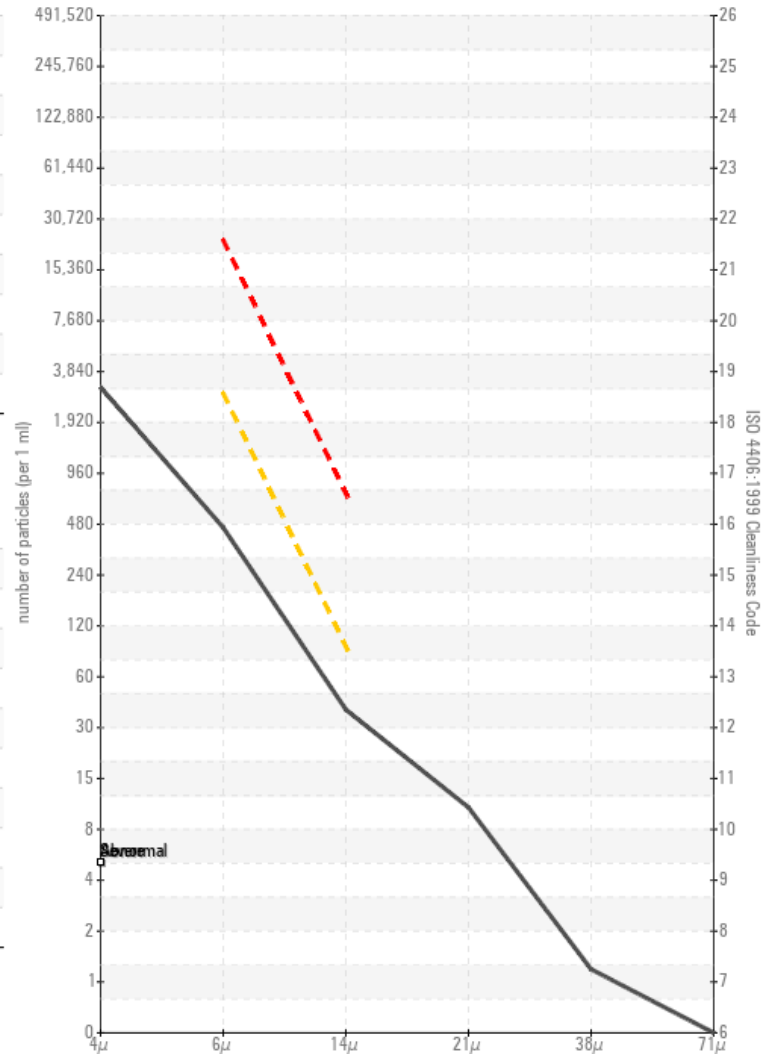
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

