



CONSTRUCTION EQUIPMENT

729516 BULK EXPRESS VOLVO L150H 6770 - HYDRAULIC SYSTEM



Sample No: VCP454583
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 729516 BULK EXPRESS



SAMPLE INFORMATION

Sample Number	VCP454583	VCP453875	VCP437675	VCP425724
Sample Date	12 Jun 2024	21 Mar 2024	03 Jan 2024	04 May 2023
Machine Hours	12371	11881	11384	10350
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ATTENTION

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
 9601 BOGGY CREEK RD
 ORLANDO, FL
 US 32824
 Contact: Robert LaPlante
 robert.laplante@altg.com
 T: (407)508-9736
 F: (407)659-8720



OIL CONDITION

Visc @ 40°C	cSt	55.5	55.7	55.5	48.2
Acid Number (AN)	mg KOH/g	0.41	0.41	0.42	0.35



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		25682	47111	33547	5985
Particles >6µm		4475	8550	3904	1956
Particles >14µm		168	311	310	133
ISO 4406:1999 (c)		22/19/15	23/20/15	22/19/15	20/18/14
Silicon	ppm	14	2	3	2
Sodium	ppm	10	3	0	0
Potassium	ppm	12	1	5	2

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	1	4	4	3
Copper	ppm	3	3	3	4
Lead	ppm	0	0	<1	1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	0	2	0
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	14	11	12	1
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	480	240	230	77
Magnesium	ppm	55	37	45	4
Zinc	ppm	375	388	425	433
Phosphorus	ppm	352	321	348	321
Barium	ppm	0	0	8	0
Boron	ppm	22	13	13	<1

Depot: VOLVO0096
Unique No: 11088606
Signed: Don Baldrige
Report Date: 22 Jun 2024

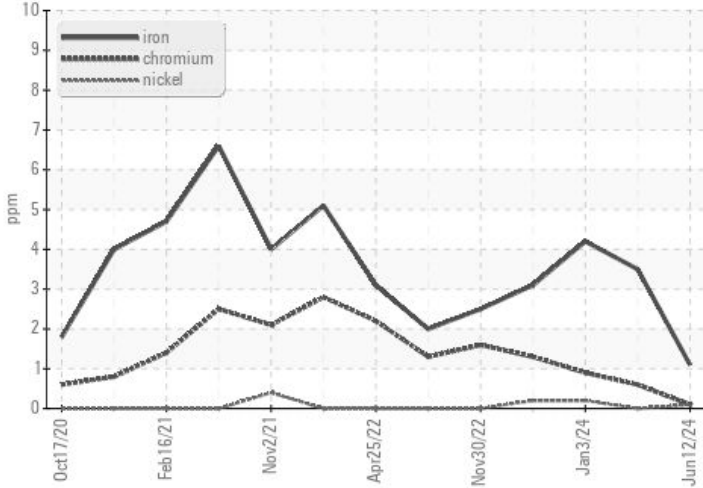


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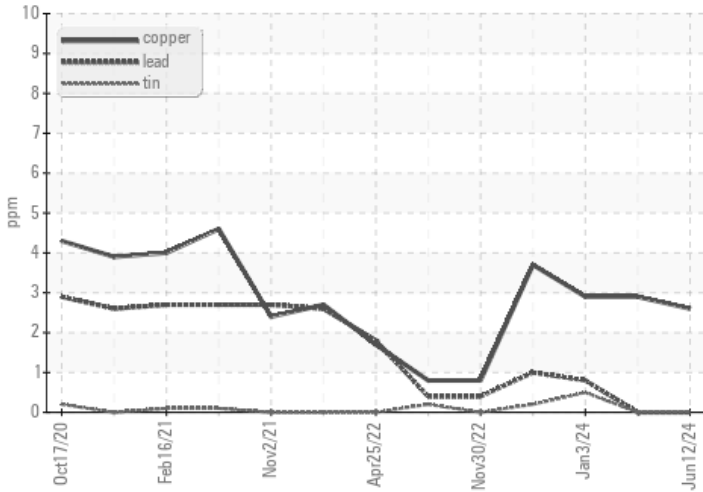


VOLVO GRAPHS

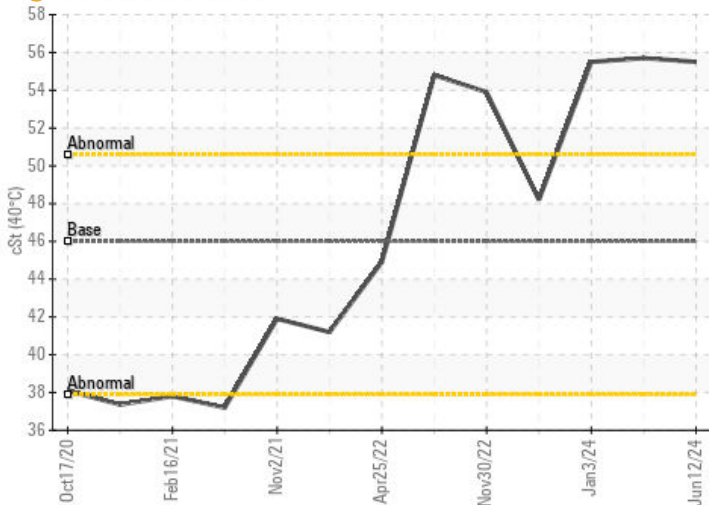
Ferrous Alloys



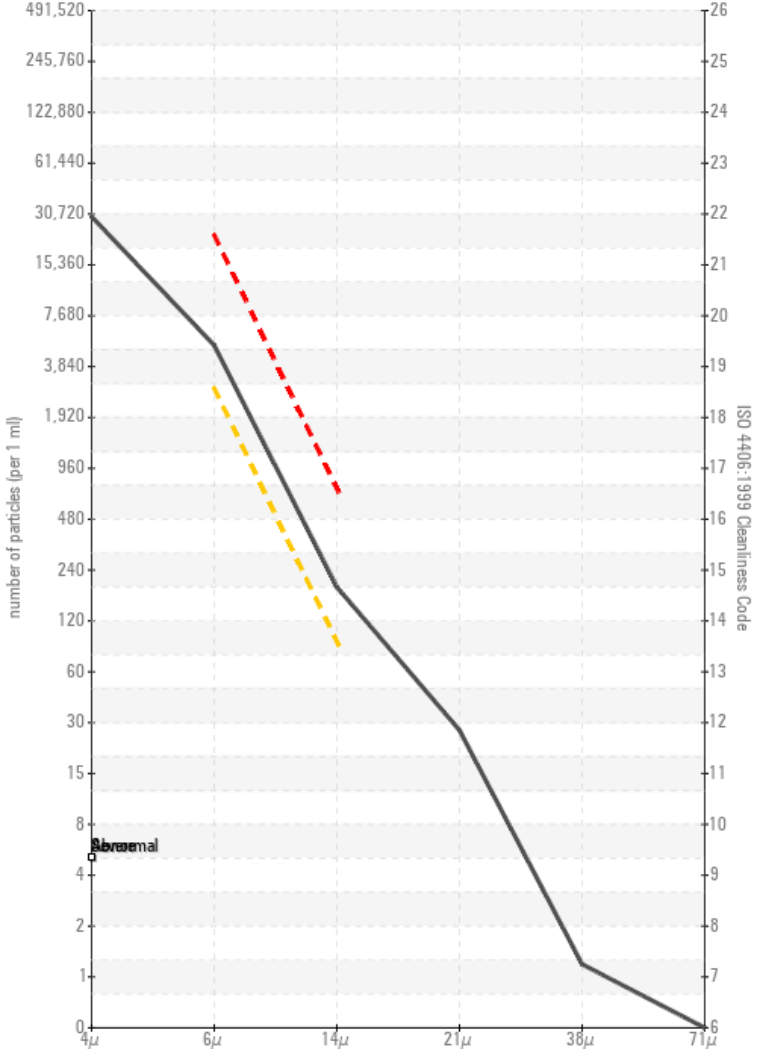
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

