



CONSTRUCTION EQUIPMENT

VOLVO L150H 6989 - HYDRAULIC SYSTEM



Sample No: VCP452633
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP452633	VCP436470	VCP432774	VCP411572
Sample Date	02 Jul 2024	09 May 2024	22 Feb 2024	02 Oct 2023
Machine Hours	7460	7072	6479	5387
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL

CITY CARTING
 221 OLD GATE LN
 MILFORD, CT
 US 06460
 Contact: TAVINS BANKS
 tavins@citycart.net
 T: (203)223-3885
 F:



OIL CONDITION

Visc @ 40°C	cSt	47.7	42.8	43.2	42.4
Acid Number (AN)	mg KOH/g	0.44	0.56	0.74	0.37



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		1286	10657	121549	2354
Particles >6µm		259	977	29739	734
Particles >14µm		6	25	1949	50
ISO 4406:1999 (c)		17/15/10	21/17/12	24/22/18	18/17/13
Silicon	ppm	2	2	4	1
Sodium	ppm	6	5	6	4
Potassium	ppm	<1	<1	2	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	2	3	9	2
Copper	ppm	1	1	2	3
Lead	ppm	1	2	2	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	<1	1	0
Chromium	ppm	2	2	3	4
Molybdenum	ppm	4	4	6	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	1	1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1371	1363	1729	49
Magnesium	ppm	32	33	52	1
Zinc	ppm	666	669	1044	410
Phosphorus	ppm	582	599	843	325
Barium	ppm	0	0	0	0
Boron	ppm	6	7	13	0

Depot: CITMILCON
Unique No: 11123628
Signed: Don Baldrige
Report Date: 15 Jul 2024

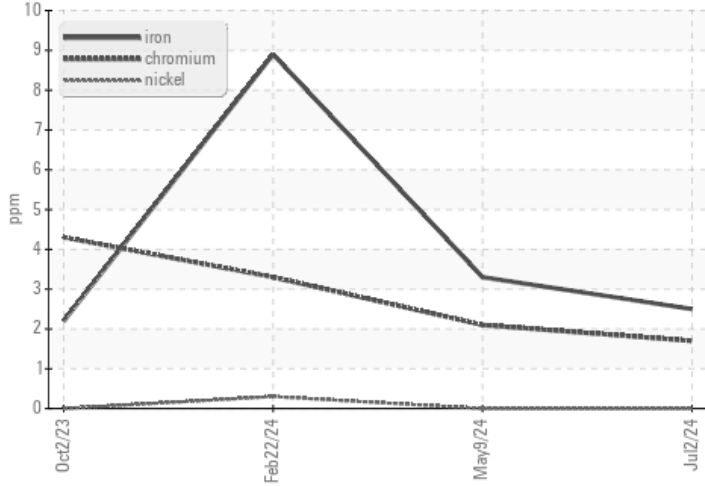


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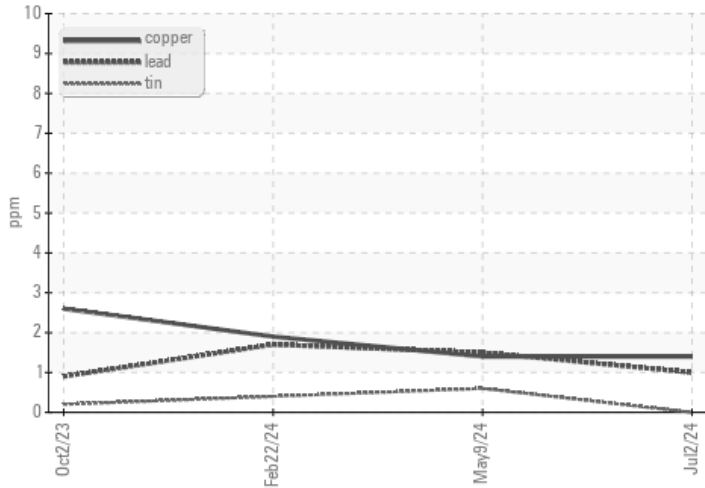


GRAPHS

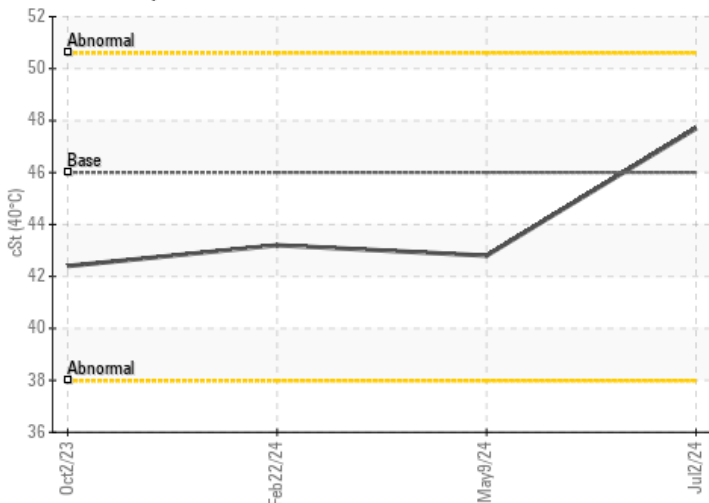
Ferrous Alloys



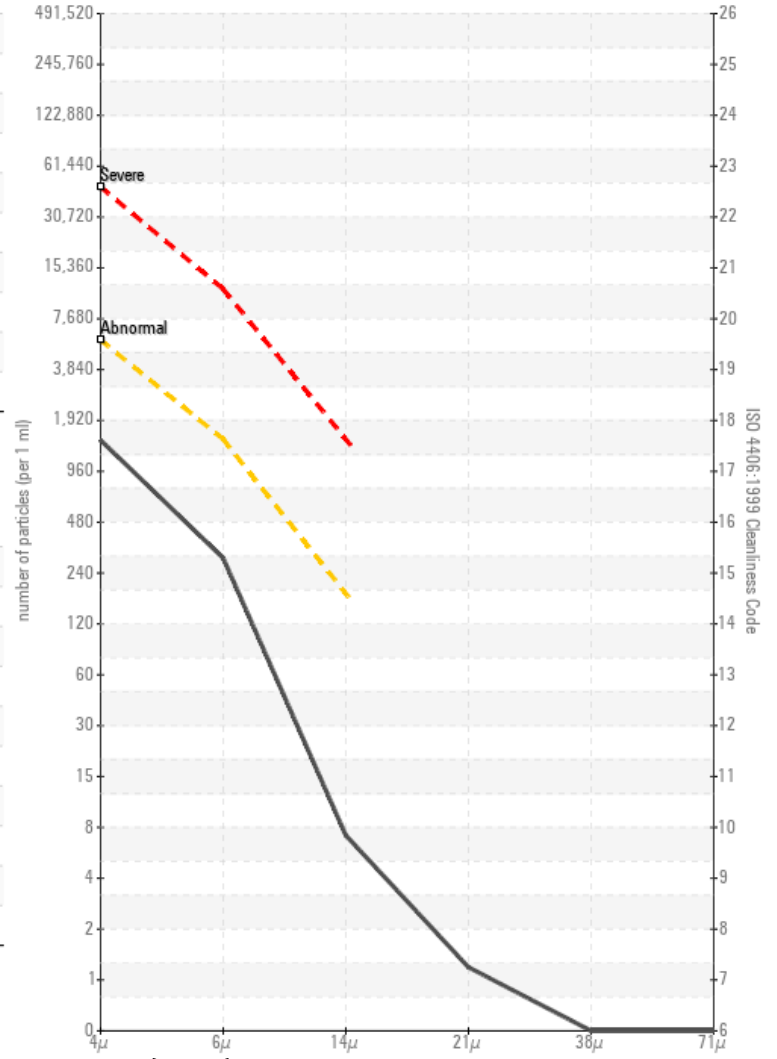
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

