



CONSTRUCTION EQUIPMENT

SWA350886-10 VOLVO L90H 623485 - HYDRAULIC SYSTEM



Sample No: VCP432338
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA350886-10



SAMPLE INFORMATION

Sample Number	VCP432338	VCP374144	VCP299172	VCP289273
Sample Date	13 Sep 2023	29 Aug 2022	14 Jul 2021	30 Oct 2020
Machine Hours	9867	8077	7138	6128
Oil Hours	0	0	0	2000
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

ULSTER COUNTY RESOURCE RECOVERY AGENCY
 999 FLATBUSH AVE
 KINGSTON, NY
 US 12401
 Contact: CHARLES WHITTAKER
 cwhf@ucrra.net
 T: (845)399-2686
 F:



OIL CONDITION

Visc @ 40°C	cSt	38.6	37.3	39.1	39.5
Acid Number (AN)	mg KOH/g	0.21	0.47	0.325	0.256



CONTAMINATION

Particles >4µm		16278	2628	2498	2515
Particles >6µm		3107	127	420	467
Particles >14µm		138	8	29	16
ISO 4406:1999 (c)		21/19/14	19/14/10	18/16/12	19/16/11
Silicon	ppm	4	4	2	0
Sodium	ppm	4	<1	3	2
Potassium	ppm	0	2	0	<1

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present 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	5	4	3
Copper	ppm	2	5	3	3
Lead	ppm	0	1	<1	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	0	2	<1	<1
Chromium	ppm	5	9	6	4
Molybdenum	ppm	6	10	3	3
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	534	487	162	132
Magnesium	ppm	49	48	14	12
Zinc	ppm	500	452	395	415
Phosphorus	ppm	297	351	339	315
Barium	ppm	0	0	0	0
Boron	ppm	18	20	10	7

Depot: ULSKIN
Unique No: 10655162
Signed: Jonathan Hester
Report Date: 20 Sep 2023

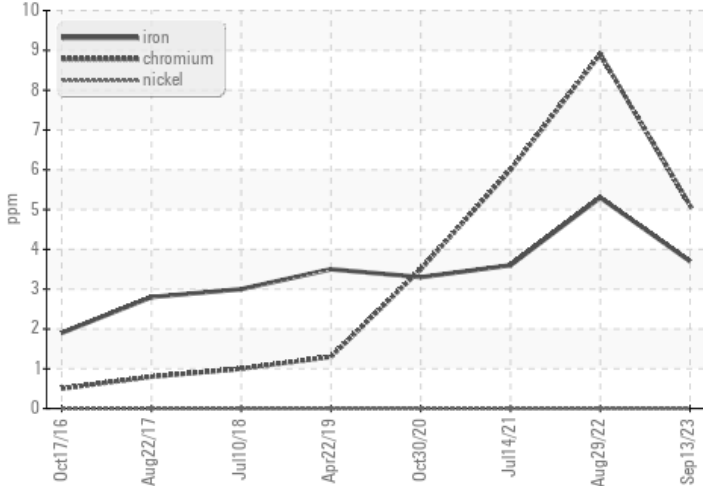


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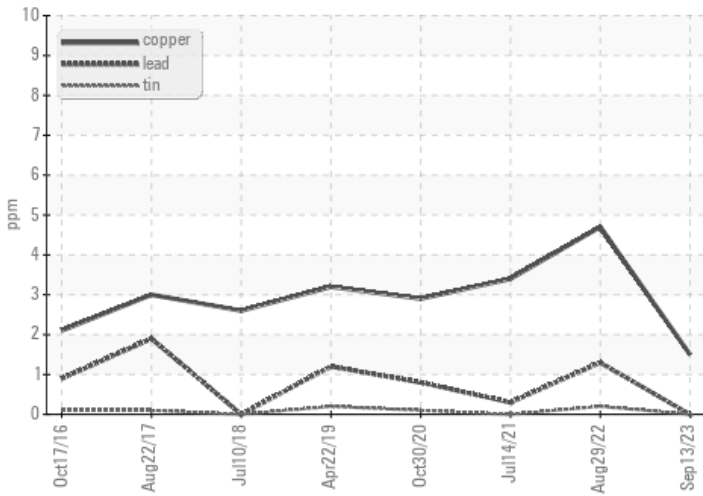


GRAPHS

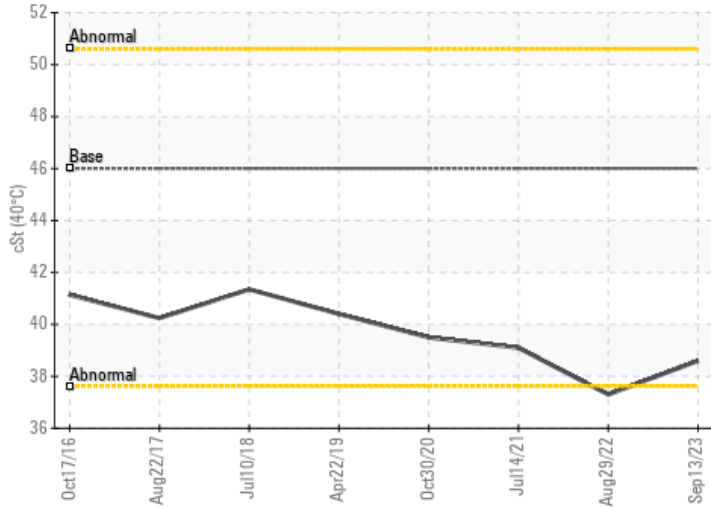
Ferrous Alloys



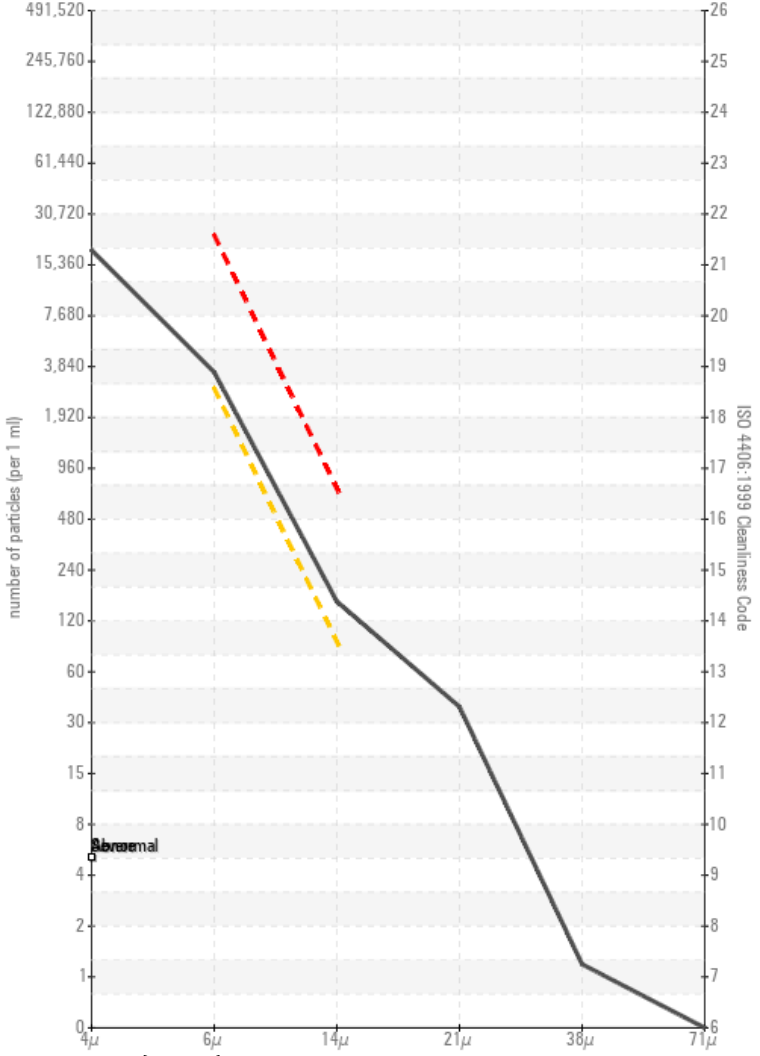
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

