



CONSTRUCTION EQUIPMENT

19114 VOLVO L90H 624539 - HYDRAULIC SYSTEM



Sample No: VCP427032
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 19114



SAMPLE INFORMATION

Sample Number	VCP427032	VCP403911	VCP378329	VCP329562
Sample Date	06 Jul 2023	28 Feb 2023	27 May 2022	15 Mar 2022
Machine Hours	8365	7761	6558	6012
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	N/A
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

IAA - INSURANCE AUTO AUCTIONS - CLAYTON
 60 SADISCO RD
 CLAYTON, NC
 US 27520
 Contact: Service Manager

OIL CONDITION

Visc @ 40°C	cSt	45.5	49.4	41.4	42.5
Acid Number (AN)	mg KOH/g	0.27	0.30	0.38	0.33

T:
F:

CONTAMINATION

Particles >4µm	2482	4168	4127	72084	
Particles >6µm	323	760	868	12150	
Particles >14µm	16	23	47	652	
ISO 4406:1999 (c)	18/16/11	19/17/12	19/17/13	23/21/17	
Silicon	ppm	3	2	6	6
Sodium	ppm	<1	2	1	2
Potassium	ppm	0	0	2	0

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.

WEAR METALS

Iron	ppm	4	3	10	9
Copper	ppm	1	1	4	4
Lead	ppm	0	0	3	2
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	1	3	2
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	56	52	52	57
Magnesium	ppm	0	<1	1	<1
Zinc	ppm	421	406	431	427
Phosphorus	ppm	345	313	321	368
Barium	ppm	0	0	1	0
Boron	ppm	0	0	<1	0

Depot: INSCLA
Unique No: 10552614
Signed: Wes Davis
Report Date: 13 Jul 2023

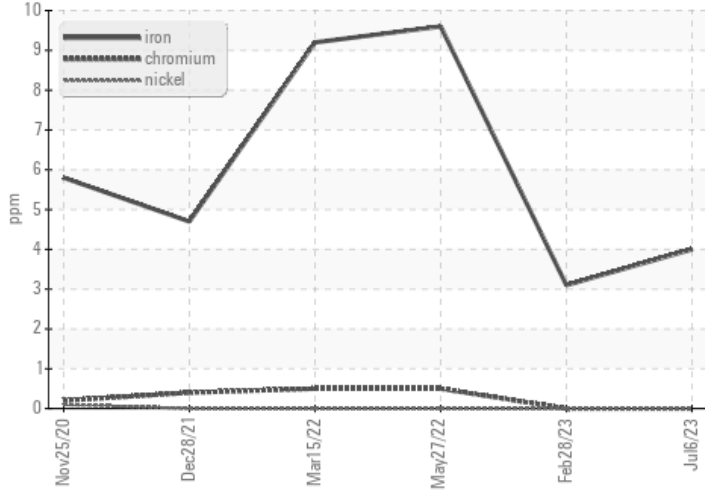


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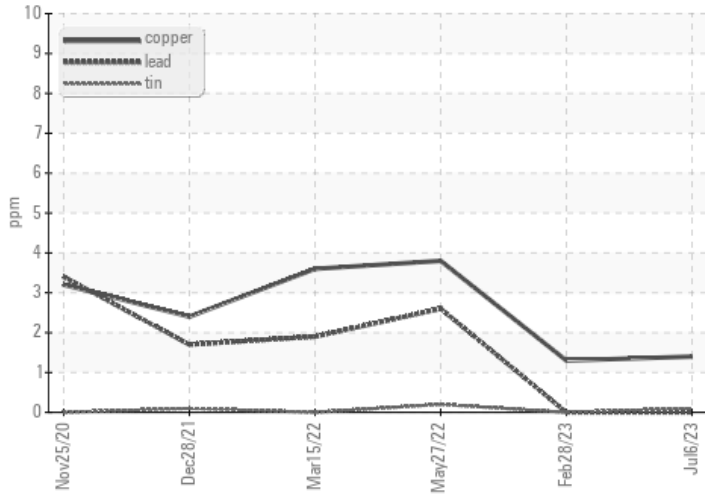


GRAPHS

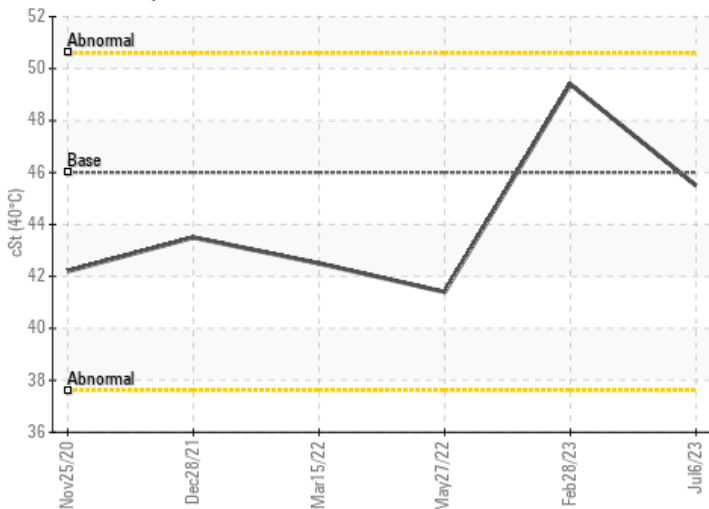
Ferrous Alloys



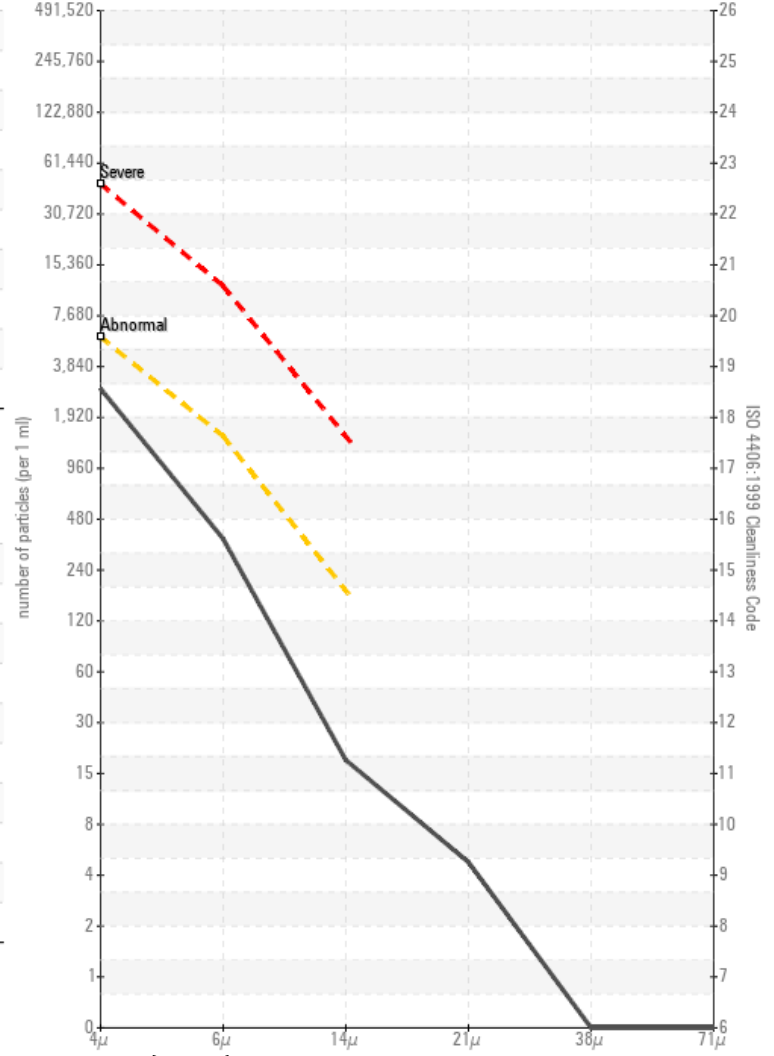
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

