



CONSTRUCTION EQUIPMENT

621685 VOLVO L150H 6059 - HYDRAULIC SYSTEM



Sample No: VCP440791
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 621685



SAMPLE INFORMATION

Sample Number	VCP440791	VCP417592	VCP386131	VCP354586
Sample Date	30 Oct 2023	01 Jun 2023	28 Nov 2022	07 Jun 2022
Machine Hours	10424	9381	8099	7036
Oil Hours	0	1381	4000	1500
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ATTENTION	ATTENTION	NORMAL	ABNORMAL

PARAGON DEVELOPMENT GROUP
 402 N FRONTAGE RD
 PLANT CITY, FL
 US 33563
 Contact: ED WALPOLE
 edwiv@pdgpc.com
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	41.3	40.0	39.4	39.8
Acid Number (AN)	mg KOH/g	0.48	0.54	0.68	0.56

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		10133	6469	3959	17281
Particles >6µm		2044	1629	494	3943
Particles >14µm		105	147	25	253
ISO 4406:1999 (c)		21/18/14	20/18/14	19/16/12	21/19/15
Silicon	ppm	4	4	4	5
Sodium	ppm	0	3	5	2
Potassium	ppm	3	0	0	1

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 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	6	5	6	8
Copper	ppm	2	1	4	4
Lead	ppm	1	0	2	2
Tin	ppm	<1	0	0	<1
Aluminum	ppm	2	0	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	5	2	<1	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	983	1108	1144	1027
Magnesium	ppm	20	15	6	6
Zinc	ppm	696	691	708	705
Phosphorus	ppm	458	549	586	539
Barium	ppm	0	0	0	0
Boron	ppm	30	33	27	34

Depot: PARPLA
Unique No: 10765005
Signed: Jonathan Hester
Report Date: 04 Dec 2023

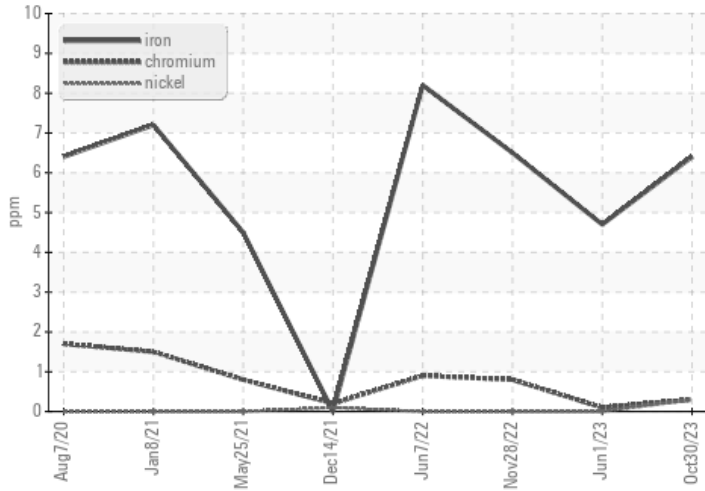


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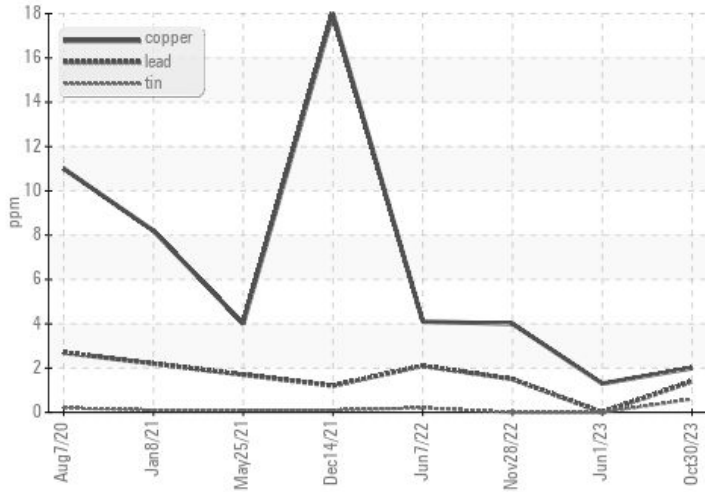


VOLVO GRAPHS

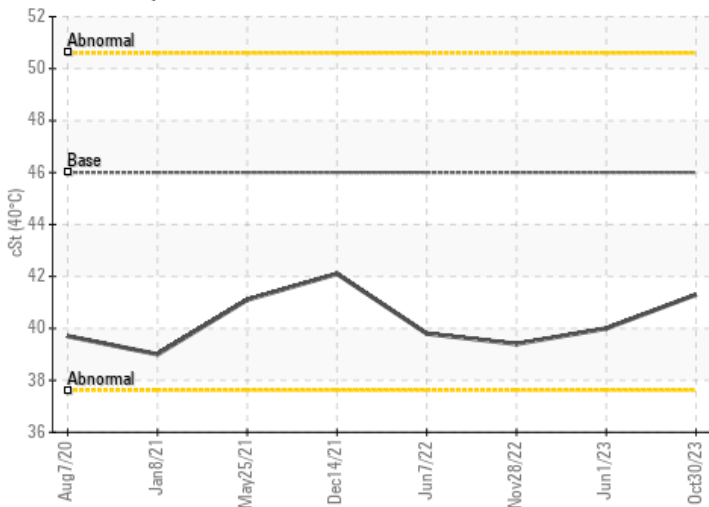
Ferrous Alloys



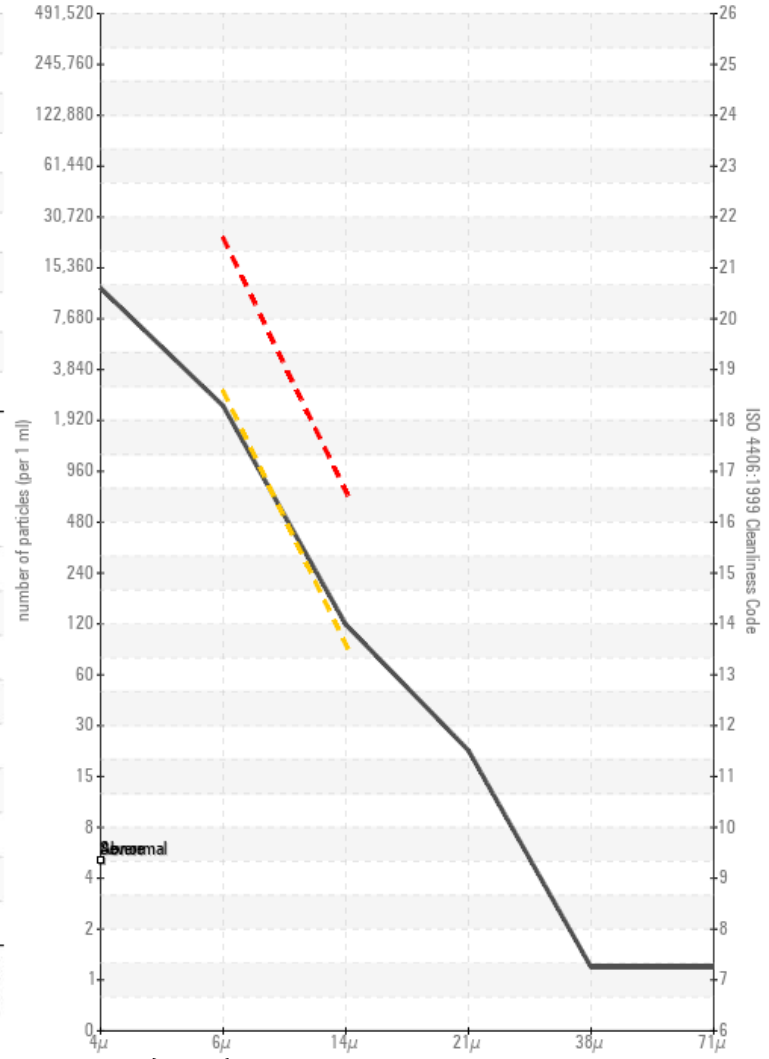
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

