



CONSTRUCTION EQUIPMENT

593849 VOLVO L150H 6057 - HYDRAULIC SYSTEM



Sample No: VCP422702
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 593849



SAMPLE INFORMATION

Sample Number	VCP422702	VCP394040	VCP388336	VCP332011
Sample Date	10 Aug 2023	10 Mar 2023	18 Oct 2022	14 Dec 2021
Machine Hours	11051	10046	9035	7055
Oil Hours	3000	2000	500	2000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ATTENTION

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	41.7	41.6	41.5	42.0
Acid Number (AN)	mg KOH/g	0.82	1.02	0.68	0.536

CONTAMINATION

Particles >4µm	92018	31170	51760	5936	
Particles >6µm	17158	5310	2242	393	
Particles >14µm	842	721	107	30	
ISO 4406:1999 (c)	24/21/17	22/20/17	23/18/14	20/16/12	
Silicon	ppm	8	10	10	7
Sodium	ppm	0	2	<1	3
Potassium	ppm	2	<1	2	0

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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	6	3	6	0
Copper	ppm	2	<1	2	17
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	1	1	2	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	3	1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	2	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	2456	3340	3025	1377
Magnesium	ppm	22	27	17	8
Zinc	ppm	1120	1475	1276	872
Phosphorus	ppm	868	1083	993	648
Barium	ppm	0	0	0	0
Boron	ppm	86	100	91	35

Depot: PARPLA
Unique No: 10620129
Signed: Doug Bogart
Report Date: 28 Aug 2023

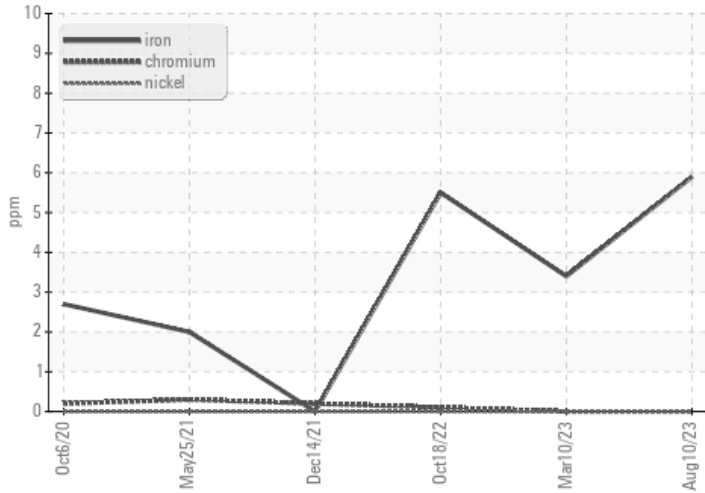


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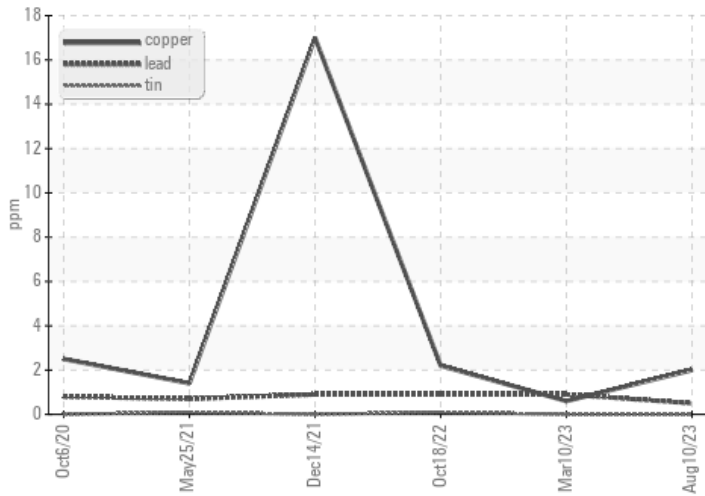


GRAPHS

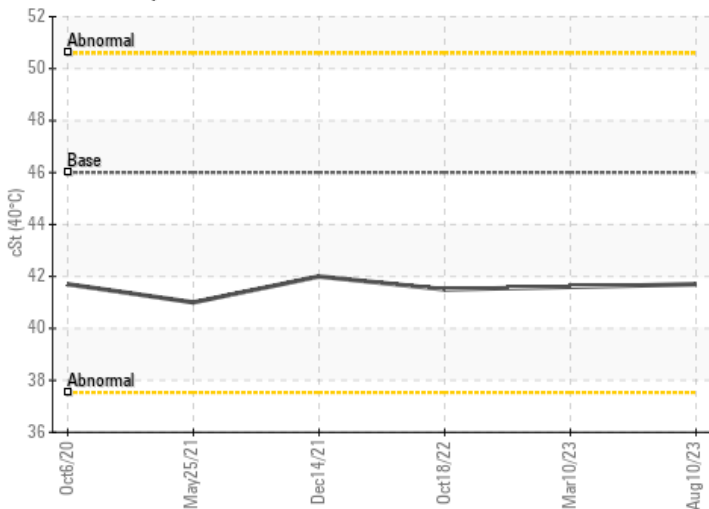
Ferrous Alloys



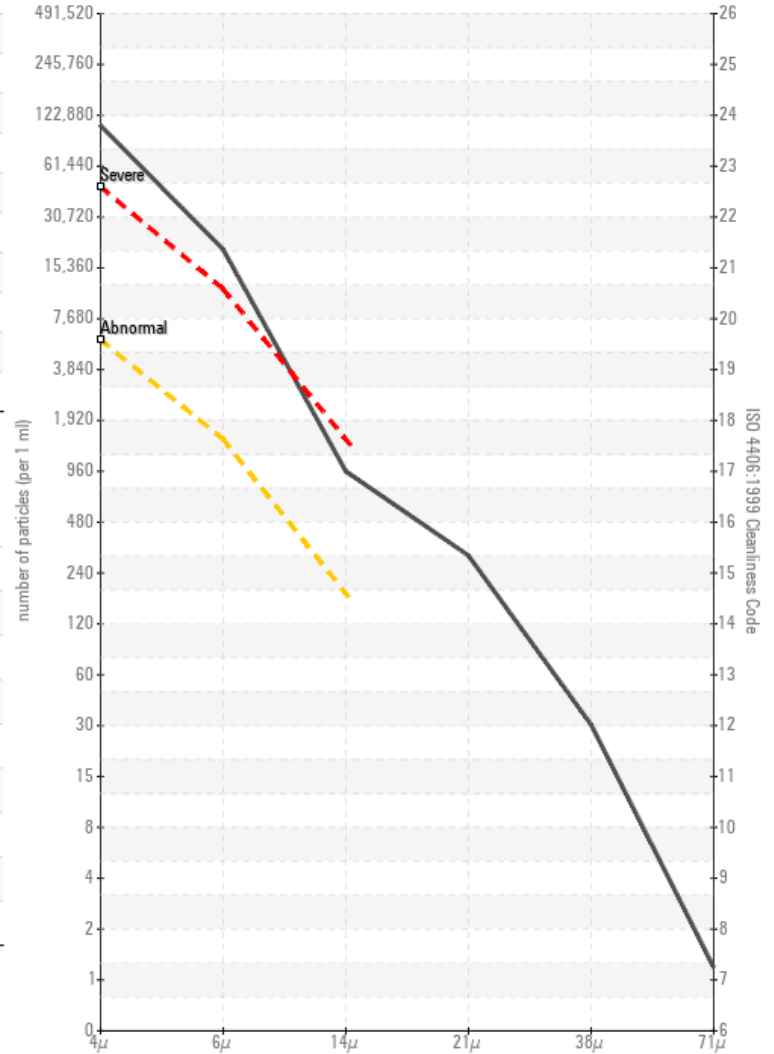
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

