



CONSTRUCTION EQUIPMENT

688690 VOLVO L150H 6059 - HYDRAULIC SYSTEM



Sample No: VCP437874
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 688690



SAMPLE INFORMATION

Sample Number	VCP437874	VCP440791	VCP417592	VCP386131
Sample Date	25 Mar 2024	30 Oct 2023	01 Jun 2023	28 Nov 2022
Machine Hours	11465	10424	9381	8099
Oil Hours	3500	0	1381	4000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	ATTENTION	ATTENTION	NORMAL

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	40.1	41.3	40.0	39.4
Acid Number (AN)	mg KOH/g	0.50	0.48	0.54	0.68



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		6037	10133	6469	3959
Particles >6µm		1294	2044	1629	494
Particles >14µm		59	105	147	25
ISO 4406:1999 (c)		20/17/13	21/18/14	20/18/14	19/16/12
Silicon	ppm	4	4	4	4
Sodium	ppm	3	0	3	5
Potassium	ppm	0	3	0	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	7	6	5	6
Copper	ppm	1	2	1	4
Lead	ppm	1	1	0	2
Tin	ppm	0	<1	0	0
Aluminum	ppm	0	2	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	3	5	2	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	747	983	1108	1144
Magnesium	ppm	17	20	15	6
Zinc	ppm	588	696	691	708
Phosphorus	ppm	486	458	549	586
Barium	ppm	0	0	0	0
Boron	ppm	20	30	33	27

Depot: PARPLA
Unique No: 11018637
Signed: Wes Davis
Report Date: 09 May 2024

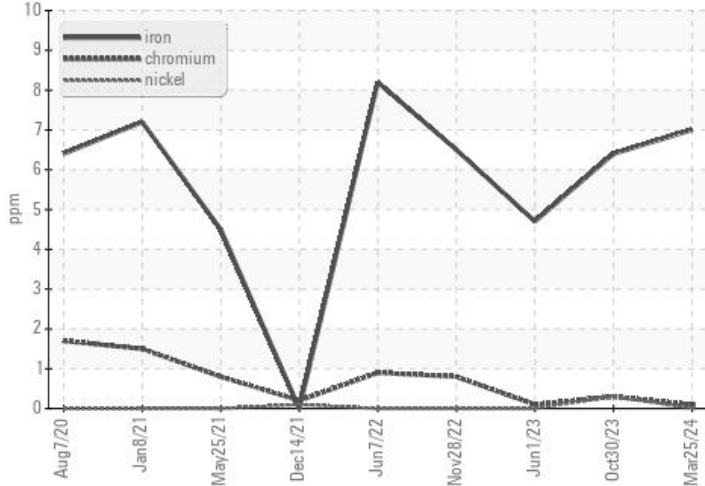


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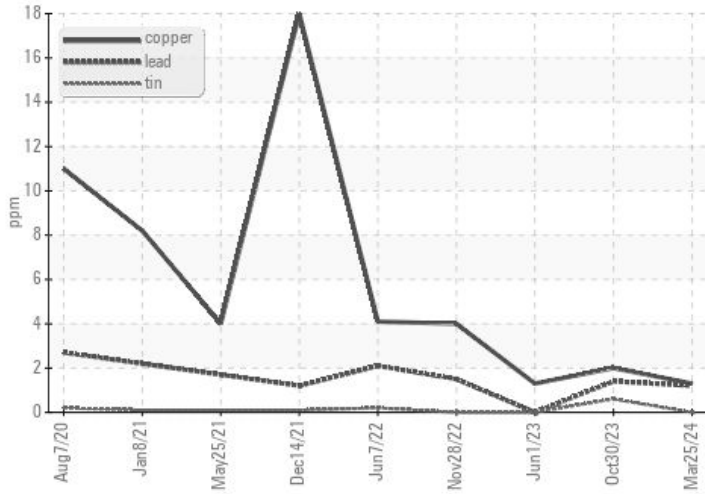


GRAPHS

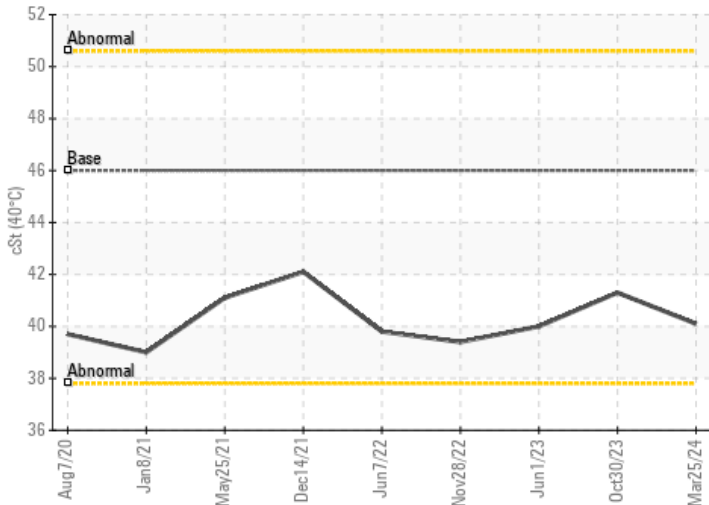
Ferrous Alloys



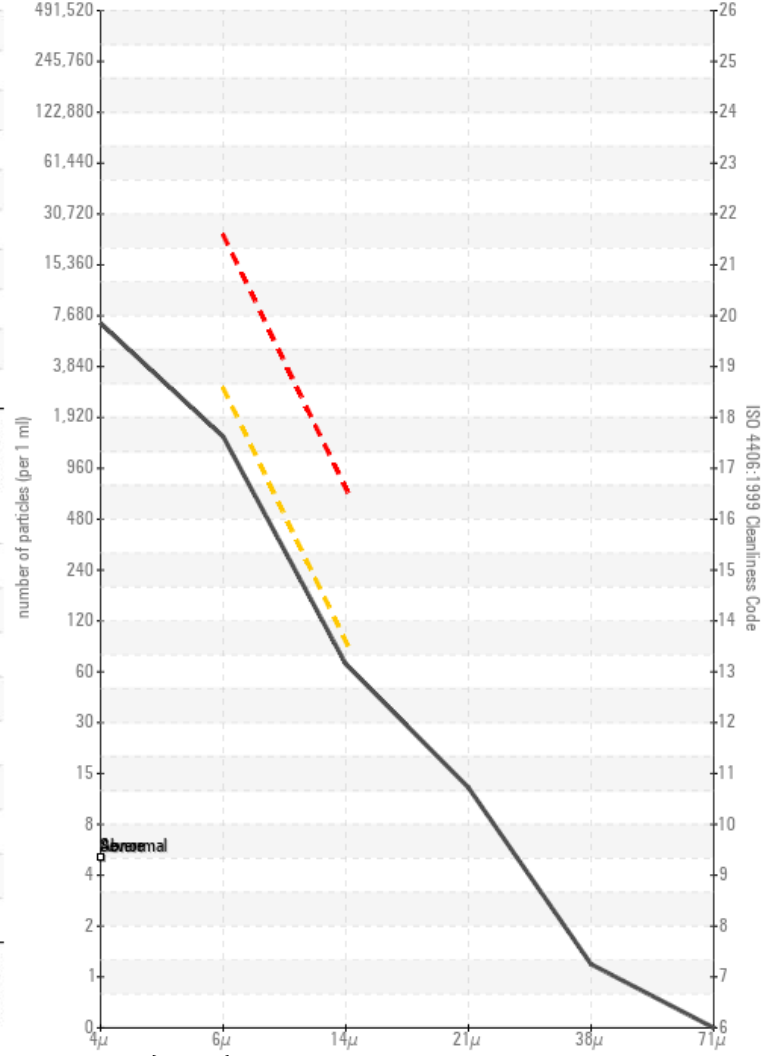
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

