



CONSTRUCTION EQUIPMENT

VOLVO L150H 4487 - HYDRAULIC SYSTEM



Sample No: VCP447465

Oil Type: MOBIL 10W

Job No:



SAMPLE INFORMATION

Sample Number	VCP447465	VCP307516	VCP312562	VCP401933
Sample Date	10 Jun 2024	04 Mar 2024	02 Oct 2023	15 Aug 2023
Machine Hours	18778	18384	17506	17210
Oil Hours	1272	878	1865	1569
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ATTENTION	ABNORMAL	ABNORMAL

SCHILDBERG CONSTRUCTION COMPANY

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OIL CONDITION

Visc @ 40°C	cSt	39.6	39.6	39.5	39.5
Acid Number (AN)	mg KOH/g	0.91	0.95	1.00	1.07



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		24114	21851	52246	84679
Particles >6µm		7856	2868	14839	22180
Particles >14µm		178	49	373	370
ISO 4406:1999 (c)		22/20/15	22/19/13	23/21/16	24/22/16
Silicon	ppm	14	14	12	13
Sodium	ppm	3	<1	4	3
Potassium	ppm	2	2	0	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 silt (particulates < 14 microns in size) 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	1	2	3
Copper	ppm	2	1	<1	1
Lead	ppm	1	<1	<1	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	3	2	2	2
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	3	2	2	2
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	2878	2741	2824	2750
Magnesium	ppm	22	20	20	22
Zinc	ppm	1035	973	965	959
Phosphorus	ppm	864	791	814	758
Barium	ppm	0	0	0	0
Boron	ppm	2	<1	1	<1

Depot: SCHGRE
Unique No: 11084401
Signed: Don Baldrige
Report Date: 18 Jun 2024

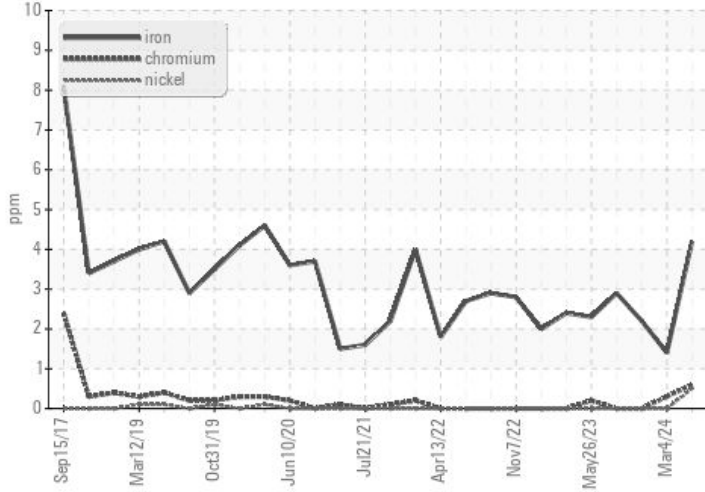


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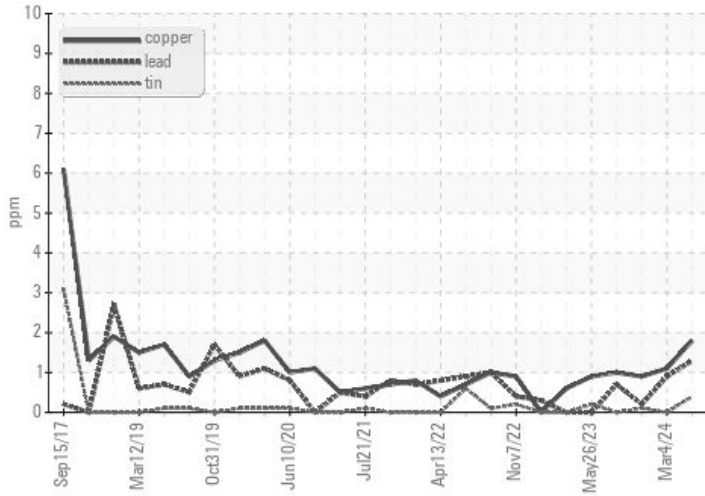


GRAPHS

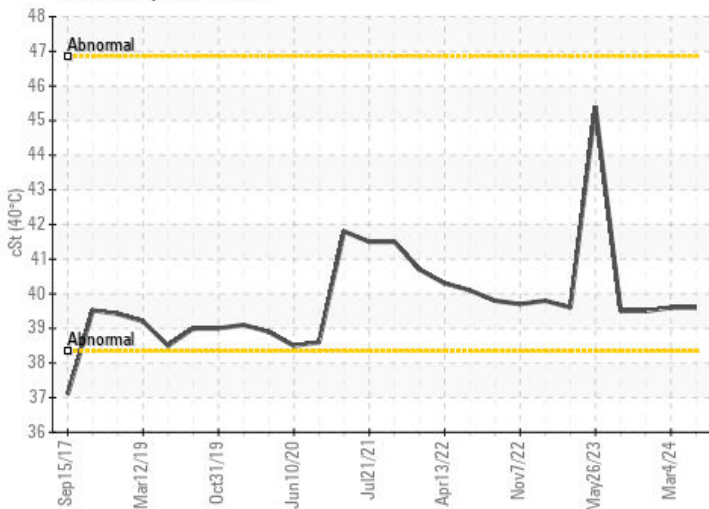
Ferrous Alloys



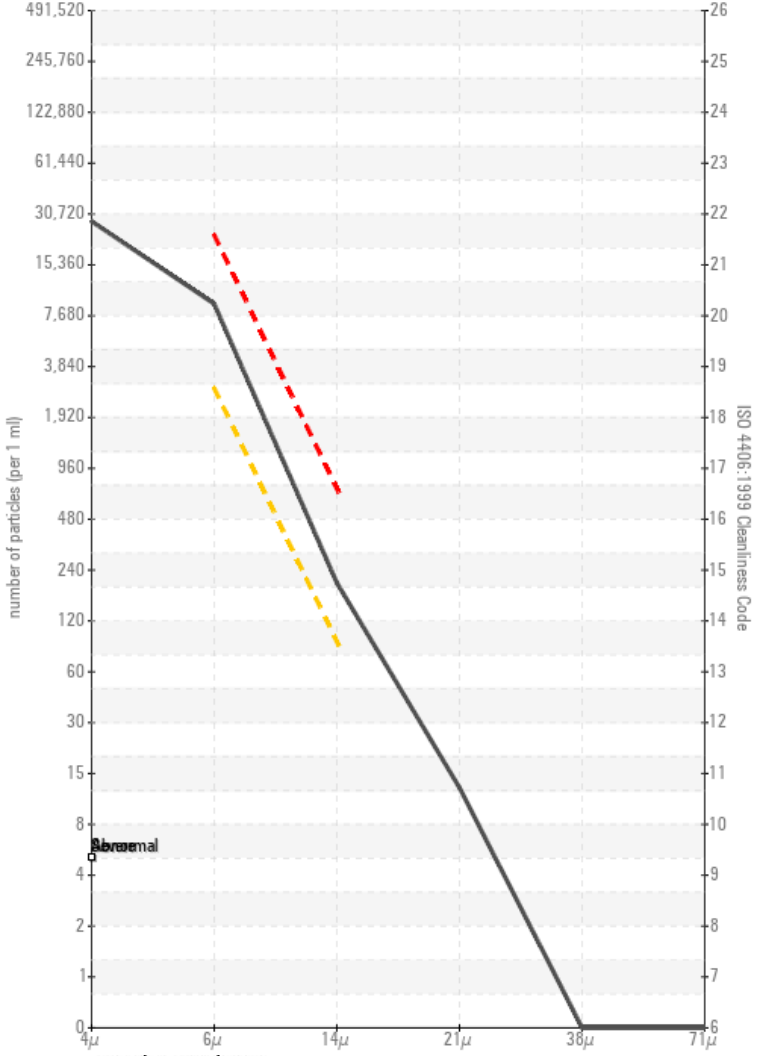
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

