



CONSTRUCTION EQUIPMENT

660590 MOSAI FERT VOLVO L260H 1258 - HYDRAULIC SYSTEM



Sample No: VCP432120
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 660590 MOSAI FERT



SAMPLE INFORMATION

Sample Number	VCP432120	VCP416007	VCP390697	VCP350114
Sample Date	19 Jan 2024	27 Jun 2023	04 Oct 2022	05 Feb 2022
Machine Hours	4327	3304	2102	1078
Oil Hours	4327	3304	1500	1078
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: JOHN FARDELLA
 john.fardella@altg.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 40°C	cSt	47.4	50.2	51.4	60.2
Acid Number (AN)	mg KOH/g	0.82	0.73	0.60	0.33



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		▲ 65286	▲ 32865	▲ 11465	▲ 19563
Particles >6µm		▲ 7353	▲ 6521	■ 1220	▲ 1307
Particles >14µm		■ 66	■ 136	■ 93	■ 58
ISO 4406:1999 (c)		23/20/13	22/20/14	21/17/14	21/18/13
Silicon	ppm	■ 11	■ 12	■ 13	■ 1
Sodium	ppm	■ 3	■ 0	■ 2	■ 0
Potassium	ppm	■ 1	■ 2	■ 0	■ 1

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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	■ 2	■ 3	■ <1	■ 0
Copper	ppm	■ 3	■ 5	■ 3	■ 2
Lead	ppm	■ 1	■ 1	■ 0	■ <1
Tin	ppm	■ <1	■ 0	■ <1	■ 0
Aluminum	ppm	■ 1	■ 1	■ 2	■ 0
Chromium	ppm	■ 0	■ <1	■ <1	■ <1
Molybdenum	ppm	■ 1	■ 2	■ 2	■ <1
Nickel	ppm	■ 0	■ 0	<1	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	■ <1	■ 0	■ <1	■ 0
Vanadium	ppm	0	0	1	0



ADDITIVES

Calcium	ppm	■ 2331	1907	1143	■ 212
Magnesium	ppm	■ 23	■ 22	■ 16	■ 37
Zinc	ppm	■ 875	■ 821	■ 630	■ 396
Phosphorus	ppm	■ 751	■ 660	■ 514	■ 314
Barium	ppm	■ 0	■ 1	■ 0	■ 0
Boron	ppm	■ 15	■ 24	■ 14	■ 0

Depot: VOLVO0093
Unique No: 10886442
Signed: Don Baldrige
Report Date: 21 Feb 2024

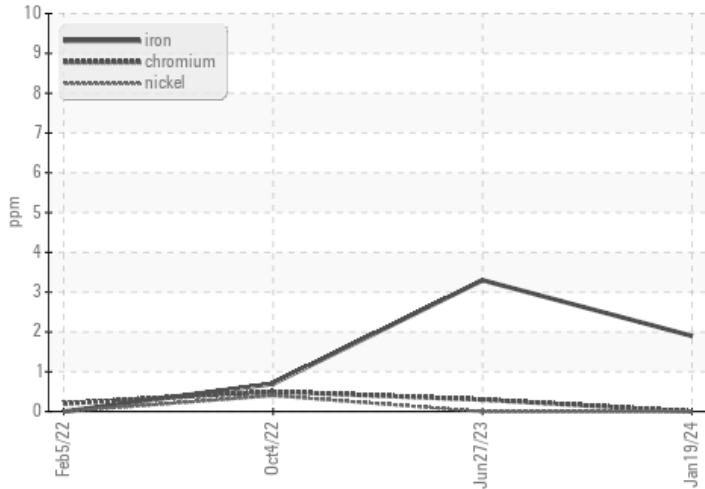


CONSTRUCTION EQUIPMENT

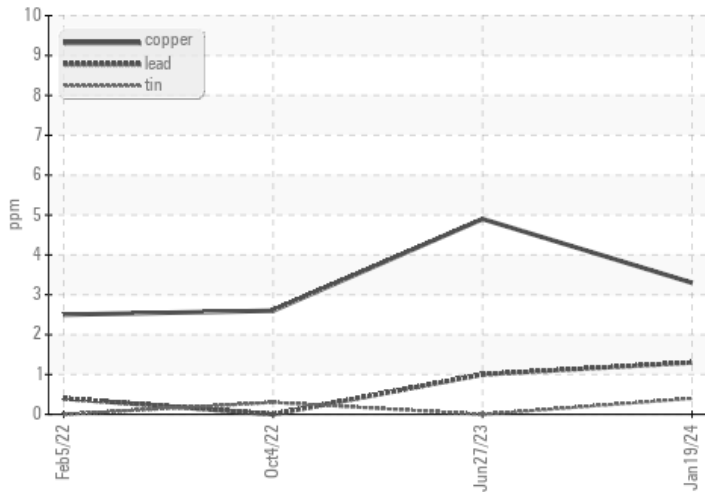


GRAPHS

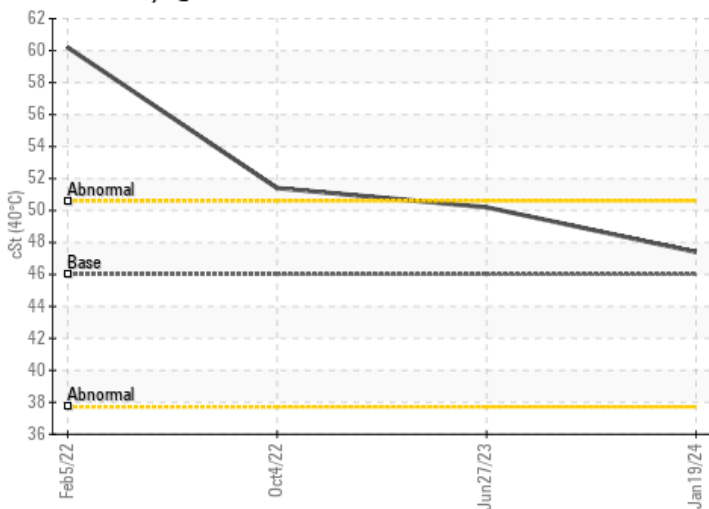
Ferrous Alloys



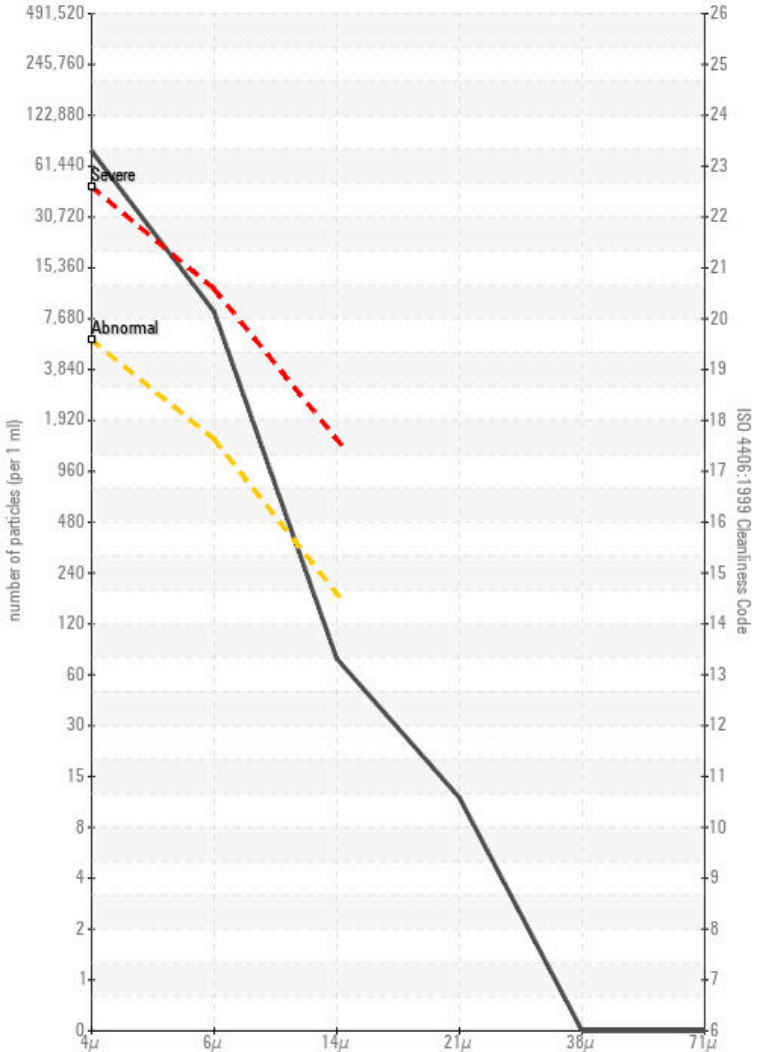
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

