



CONSTRUCTION EQUIPMENT

SPM688079 US STEEL VOLVO A25G 752203 - HYDRAULIC SYSTEM



Sample No: VCP427319
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM688079 US STEEL



SAMPLE INFORMATION

Sample Number	VCP427319	VCP440590	VCP355914	VCP05403561
Sample Date	19 Mar 2024	18 Oct 2023	29 Mar 2022	18 Oct 2021
Machine Hours	5160	8138	3706	846
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	N/A
Sample Status	ABNORMAL	ATTENTION	NORMAL	NORMAL

ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
 T: (312)350-2560
 F:

OIL CONDITION

Visc @ 40°C	cSt	41.0	42.1	42.1	45.8
Acid Number (AN)	mg KOH/g	0.92	0.47	0.37	0.399

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		54102	88790	25701	3954
Particles >6µm		7817	5990	712	614
Particles >14µm		390	25	35	21
ISO 4406:1999 (c)		23/20/16	24/20/12	22/17/12	19/16/12
Silicon	ppm	3	3	6	2
Sodium	ppm	4	2	19	0
Potassium	ppm	2	2	2	0

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 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	8	17	14	3
Copper	ppm	<1	2	6	4
Lead	ppm	<1	2	2	2
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	<1	1	2	0
Chromium	ppm	4	7	4	<1
Molybdenum	ppm	8	2	1	0
Nickel	ppm	0	1	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	<1	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	767	292	150	51
Magnesium	ppm	10	7	15	9
Zinc	ppm	893	636	500	438
Phosphorus	ppm	765	557	387	316
Barium	ppm	0	0	0	0
Boron	ppm	102	28	8	0

Depot: VOLVO8885
Unique No: 10989715
Signed: Don Baldrige
Report Date: 23 Apr 2024

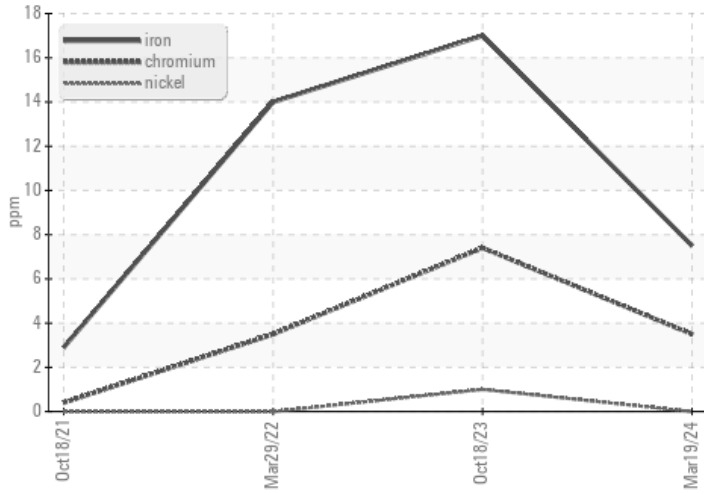


CONSTRUCTION EQUIPMENT

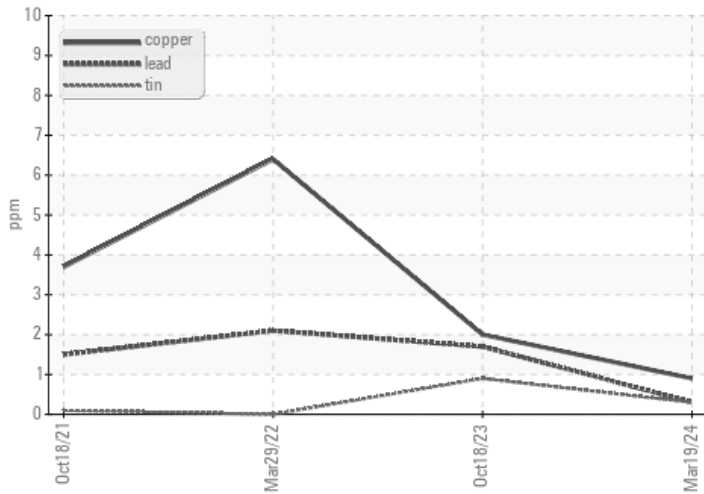


GRAPHS

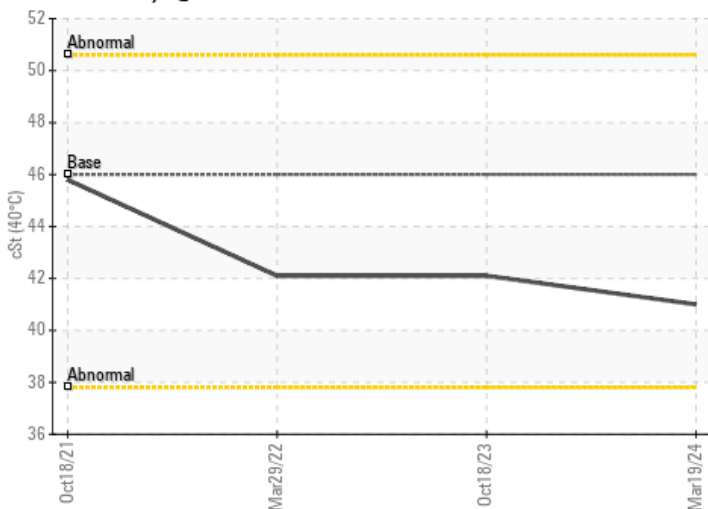
Ferrous Alloys



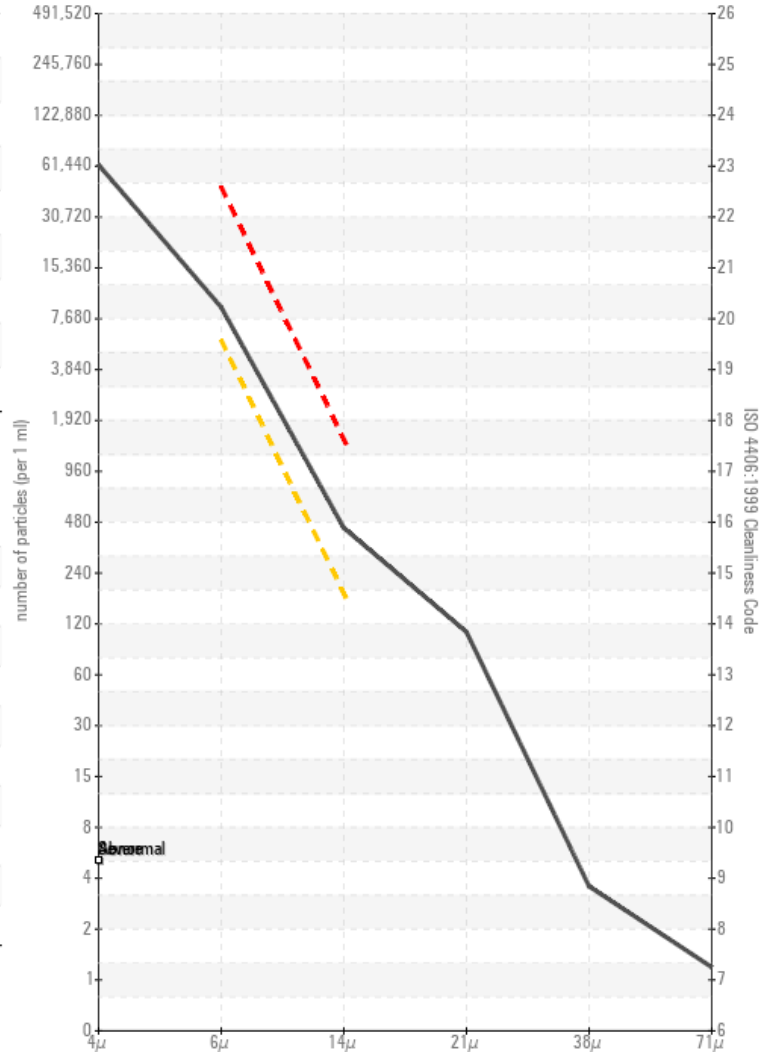
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

