



CONSTRUCTION EQUIPMENT

535079 VOLVO L90H 6245 18 - HYDRAULIC SYSTEM



Sample No: VCP446386
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 535079



SAMPLE INFORMATION

Sample Number	VCP446386	VCP402837	---	---
Sample Date	12 Apr 2024	22 Sep 2023	---	---
Machine Hours	14537	13591	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

FORESTRY RESOURCES

4353 MICHIGAN LINK
 FORT MYERS, FL
 US 33916
 Contact: COREY MUELLER



OIL CONDITION

Visc @ 40°C	cSt	57.9	47.5	---	---
Acid Number (AN)	mg KOH/g	0.51	1.36	---	---

T: (239)872-1856
 F:



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		82059	13561	---	---
Particles >6µm		17740	397	---	---
Particles >14µm		1013	15	---	---
ISO 4406:1999 (c)		24/21/17	21/16/11	---	---
Silicon	ppm	4	3	---	---
Sodium	ppm	2	<1	---	---
Potassium	ppm	3	5	---	---

Diagnosis

No corrective action is recommended at this time. Oil and 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 oil viscosity is higher than normal. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	5	3	---	---
Copper	ppm	2	12	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	1	0	---	---
Molybdenum	ppm	5	3	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	213	2209	---	---
Magnesium	ppm	26	16	---	---
Zinc	ppm	492	1136	---	---
Phosphorus	ppm	446	906	---	---
Barium	ppm	0	0	---	---
Boron	ppm	8	0	---	---

Depot: FORFORTFL
Unique No: 10983085
Signed: Don Baldrige
Report Date: 22 Apr 2024

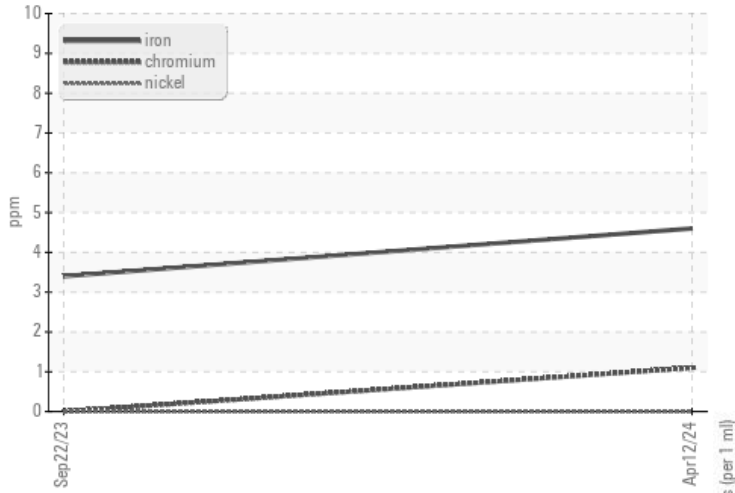


CONSTRUCTION EQUIPMENT

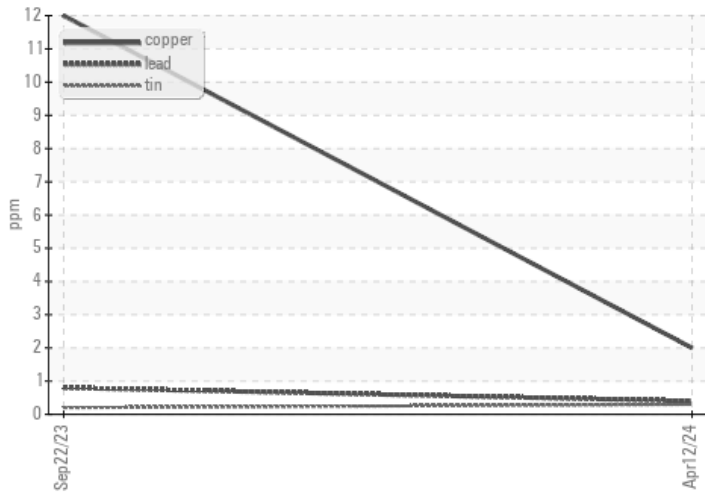


GRAPHS

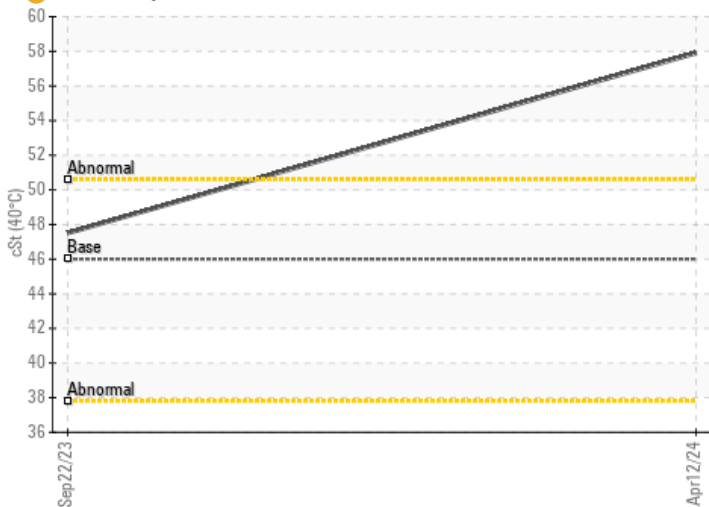
Ferrous Alloys



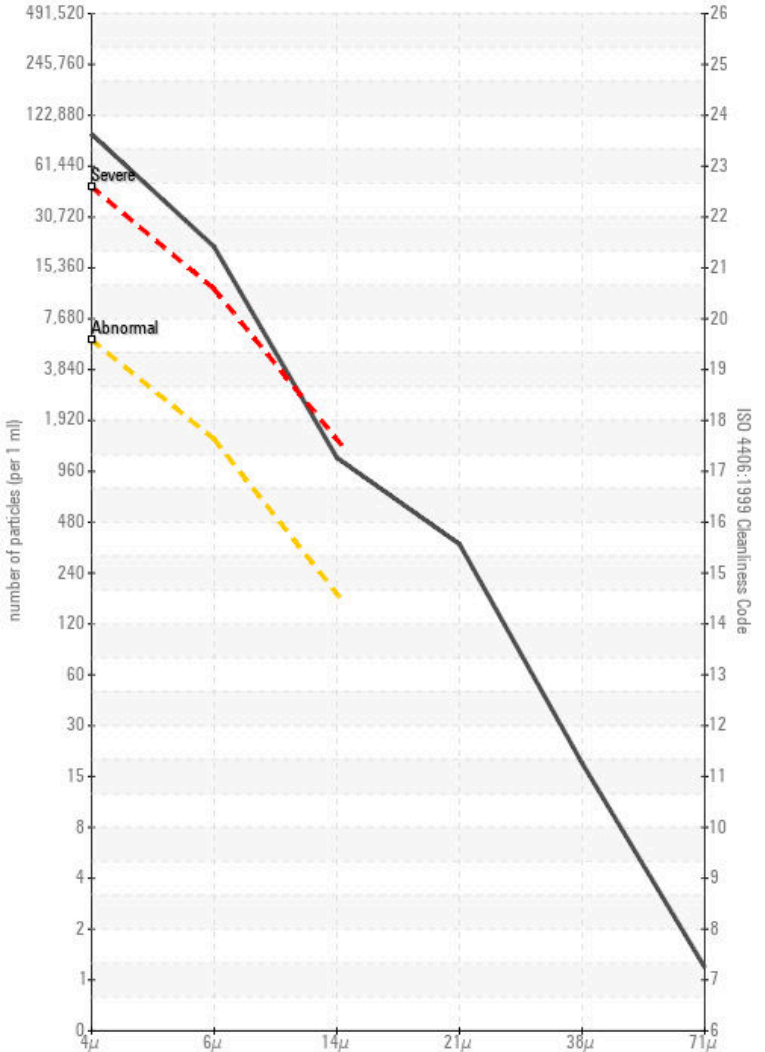
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

