



CONSTRUCTION EQUIPMENT

SW-29162-1 BROKEN AR VOLVO L220F 6241 - HYDRAULIC SYSTEM



Sample No: VCP435839
Oil Type: {unknown}
Job No: SW-29162-1 BROKEN AR



SAMPLE INFORMATION

Sample Number	VCP435839	---	---	---
Sample Date	22 Jan 2024	---	---	---
Machine Hours	22020	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

BROKEN ARROW
 8960 NORTH HIGHWAY 40
 TOOELE, UT
 US 84074
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	█ 47.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.95	---	---	---

T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 33338	---	---	---
Particles >6µm		▲ 4583	---	---	---
Particles >14µm		█ 72	---	---	---
ISO 4406:1999 (c)		22/19/13	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

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 moderate 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	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	9	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	1609	---	---	---
Magnesium	ppm	15	---	---	---
Zinc	ppm	1152	---	---	---
Phosphorus	ppm	770	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	48	---	---	---

Depot: BROTOO
Unique No: 10845002
Signed: Jonathan Hester
Report Date: 25 Jan 2024

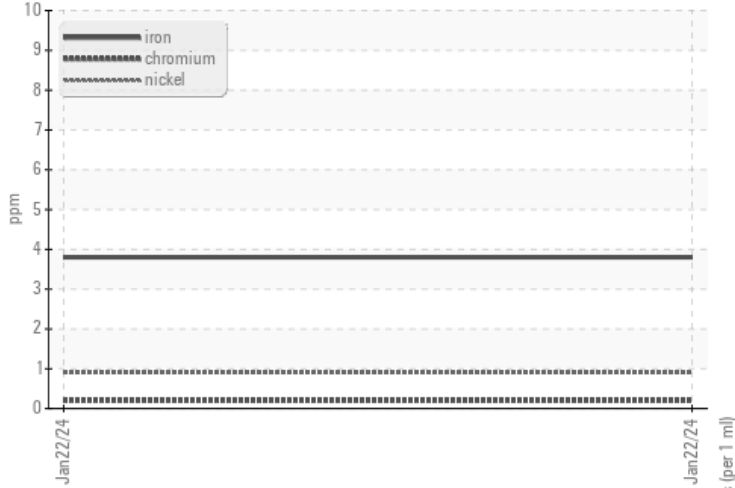


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GRAPHS

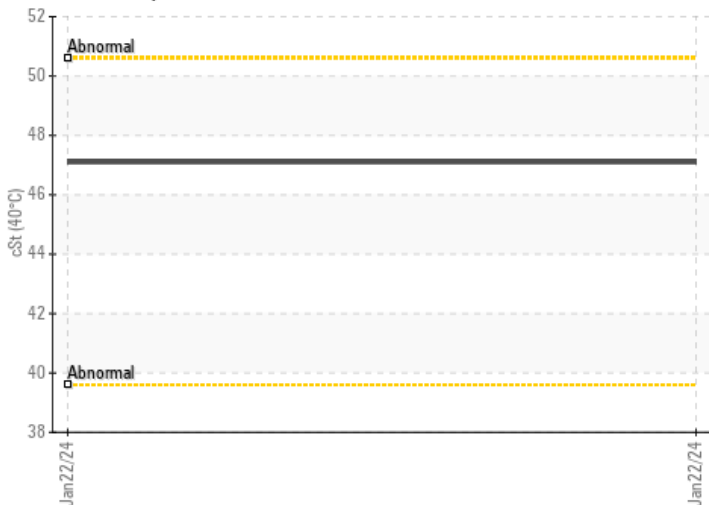
Ferrous Alloys



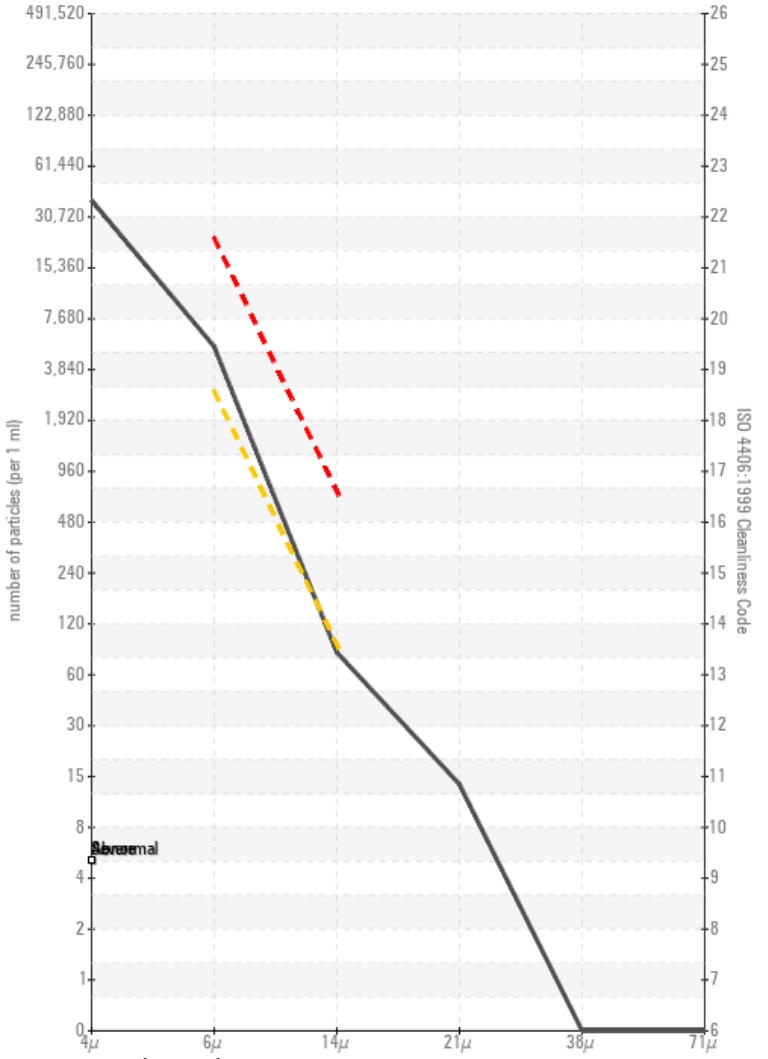
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

