



CONSTRUCTION EQUIPMENT

FONDERIE HORNE 8000392189 VOLVO ECR145EL 311565 - HYDRAULIC SYSTEM



Sample No: VCP392417
Oil Type: VOLVO SUPER HYDRAULIC OIL 32
Job No: 8000392189



SAMPLE INFORMATION

Sample Number	VCP392417	---	---	---
Sample Date	27 Jan 2024	---	---	---
Machine Hours	11176	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO INC

1730 RUE DE L'HYDRO
 VAL D'OR, QC
 CA J9P 6Z2
 Contact: Stephan Constant
 sconstant@strongco.com
 T:
 F: (819)825-1360



OIL CONDITION

Visc @ 40°C	cSt	▲ 54.0	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 44468	---	---	---
Particles >6µm		▲ 10408	---	---	---
Particles >14µm		■ 241	---	---	---
ISO 4406:1999 (c)		23/21/15	---	---	---
Silicon	ppm	■ 9	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ <1	---	---	---



WEAR METALS

Iron	ppm	■ 4	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	2964	---	---	---
Magnesium	ppm	■ 39	---	---	---
Zinc	ppm	1136	---	---	---
Phosphorus	ppm	998	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 9	---	---	---

Diagnosis

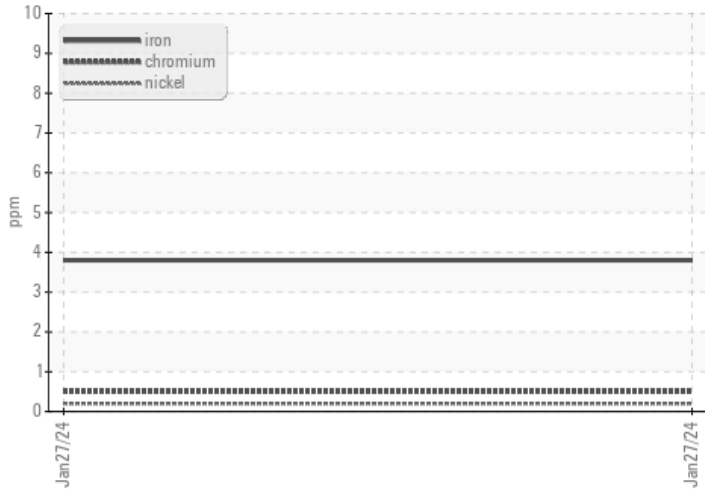
We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as VOLVO SUPER HYDRAULIC OIL 32, however, a fluid match indicates that this fluid is SAE 75W80 Tractor TDH Fluid. Please confirm the oil type and grade on your next sample. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. Viscosity of sample indicates oil is within SAE 75W80 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0229
Unique No: 5721967
Signed: Bill Quesnel
Report Date: 03 Feb 2024

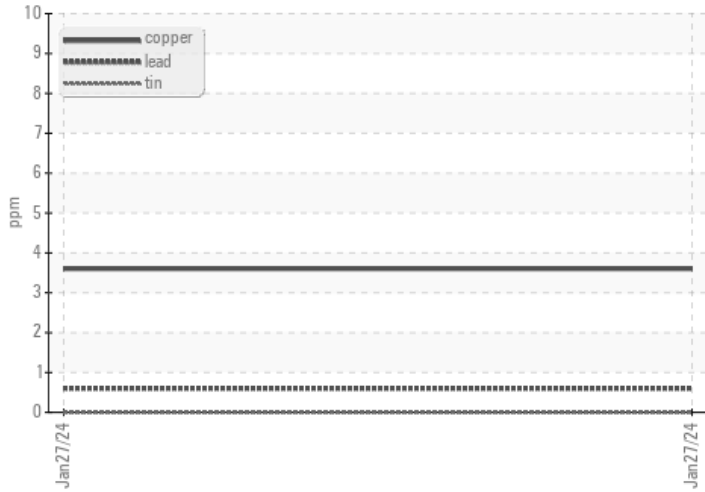


GRAPHS

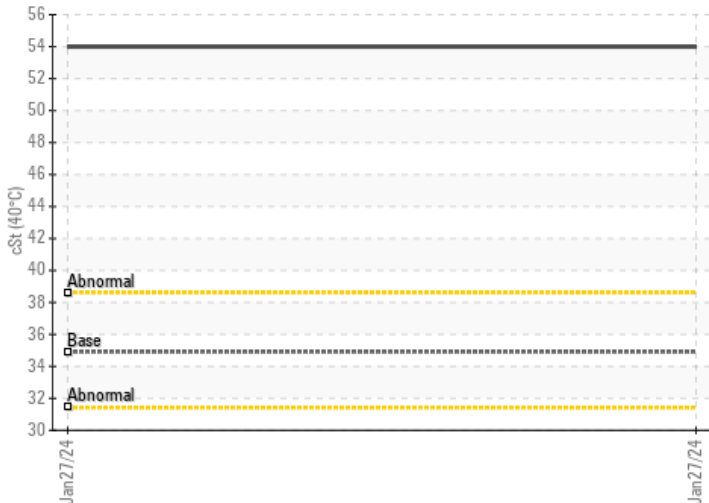
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

