



CONSTRUCTION EQUIPMENT

3280BO LKQ VOLVO L90H 626397 - HYDRAULIC SYSTEM



Sample No: VCP405519
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 3280BO LKQ



SAMPLE INFORMATION

Sample Number	VCP405519	---	---	---
Sample Date	21 Mar 2023	---	---	---
Machine Hours	1170	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

HIGHWAY EQUIPMENT AND SUPPLY CO

200 BURKHOLDER DR.
 EPHRATA, PA
 US 17522

Contact: CHAD HERRON
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OIL CONDITION

Visc @ 40°C	cSt	█ 44.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.30	---	---	---



CONTAMINATION

Particles >4µm		▲ 6220	---	---	---
Particles >6µm		▲ 2002	---	---	---
Particles >14µm		█ 145	---	---	---
ISO 4406:1999 (c)		20/18/14	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

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



ADDITIVES

Calcium	ppm	█ 81	---	---	---
Magnesium	ppm	█ 14	---	---	---
Zinc	ppm	█ 389	---	---	---
Phosphorus	ppm	█ 311	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: INSEPH
Unique No: 10414878
Signed: Don Baldrige
Report Date: 10 Apr 2023

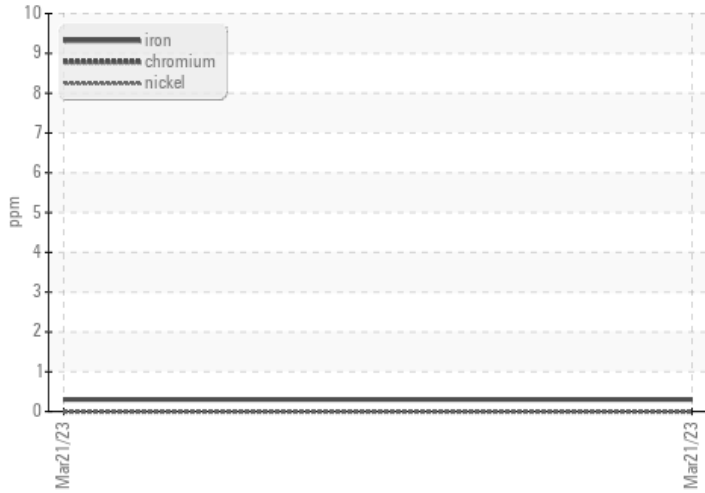


CONSTRUCTION EQUIPMENT

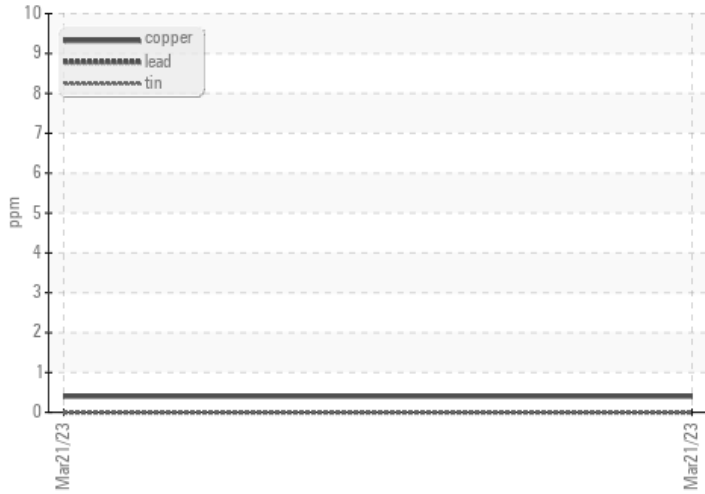


GRAPHS

Ferrous Alloys



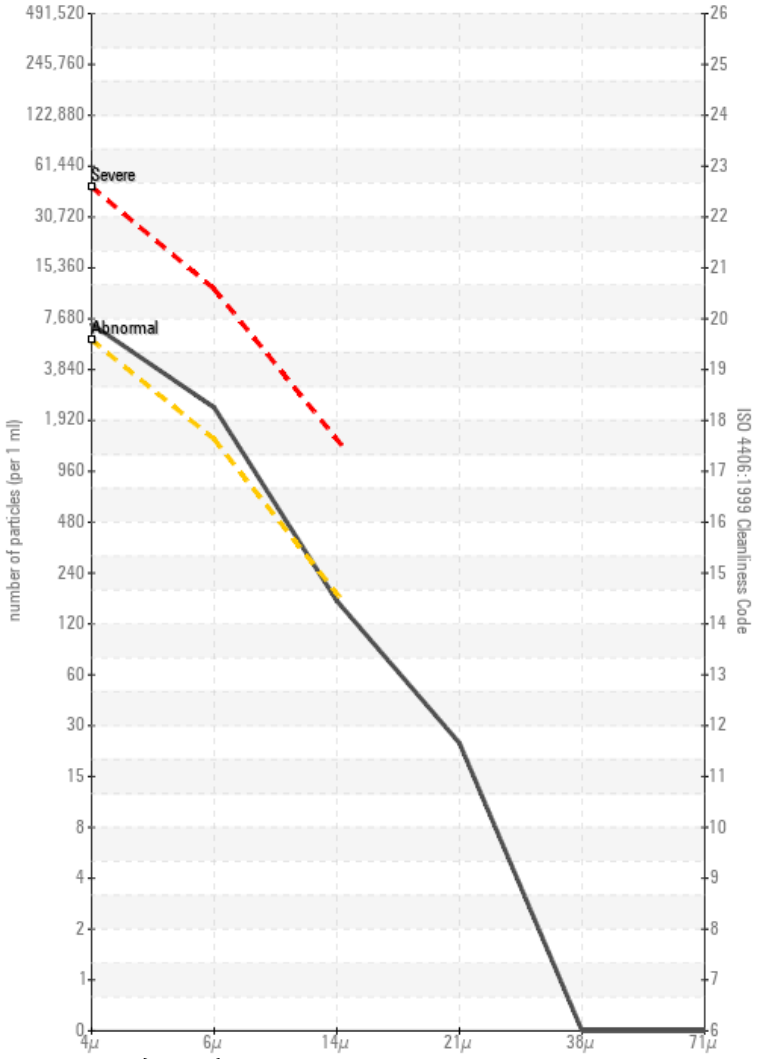
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

