



CONSTRUCTION EQUIPMENT

VOLVO A25D 72011 - HYDRAULIC SYSTEM



Sample No: VCP401520

Oil Type: BP AW 46

Job No:



SAMPLE INFORMATION

Sample Number	VCP401520	---	---	---
Sample Date	15 Jun 2023	---	---	---
Machine Hours	12895	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

LEONARDS CONTRACTING

30850 STEPHENSON HWY
MADISON HEIGHTS, MI
US 48071
Contact: LARRY SCHRADER
larry.schrade@sdevelop.com
T: (810)499-1953
F: x:



OIL CONDITION

Visc @ 40°C	cSt	█ 45.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.40	---	---	---



CONTAMINATION

Particles >4µm		█ 84417	---	---	---
Particles >6µm		▲ 5152	---	---	---
Particles >14µm		█ 20	---	---	---
ISO 4406:1999 (c)		24/20/11	---	---	---
Silicon	ppm	▲ 32	---	---	---
Sodium	ppm	█ 3	---	---	---
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. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 17	---	---	---
Copper	ppm	█ 21	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	790	---	---	---
Magnesium	ppm	10	---	---	---
Zinc	ppm	635	---	---	---
Phosphorus	ppm	483	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	19	---	---	---

Depot: LEOMAD
Unique No: 10532856
Signed: Jonathan Hester
Report Date: 30 Jun 2023

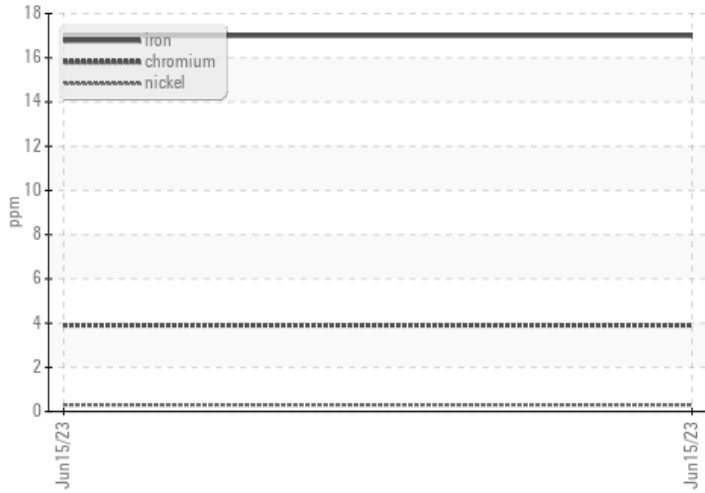


CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

Ferrous Alloys



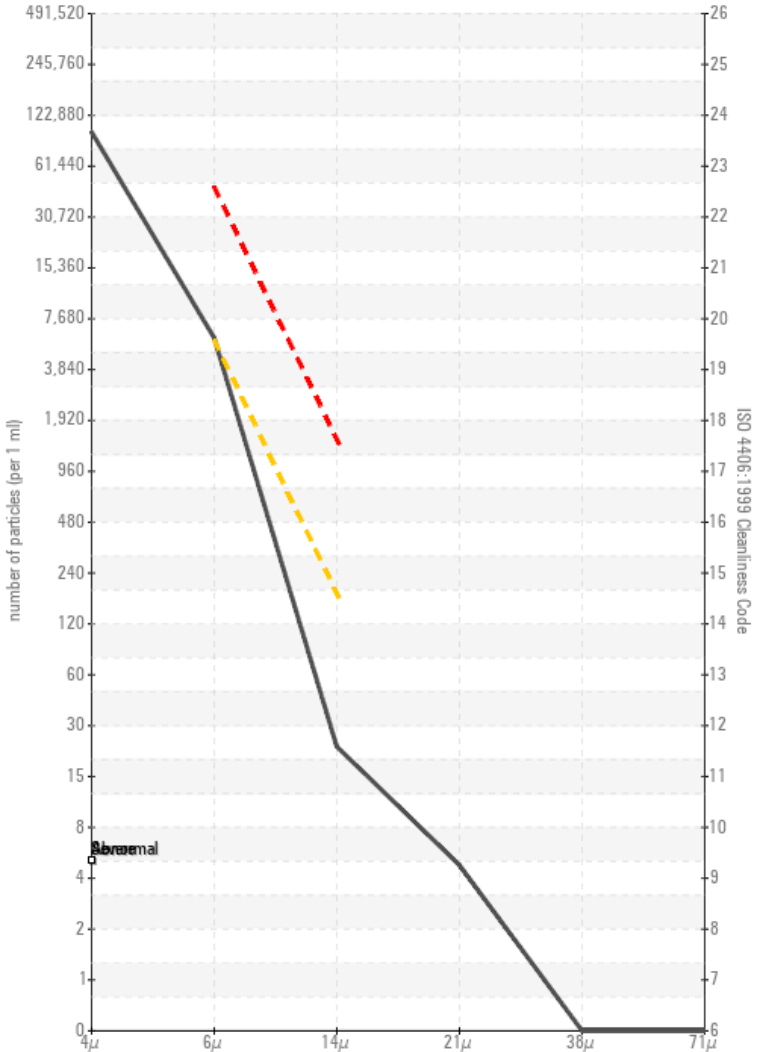
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

