



CONSTRUCTION EQUIPMENT

26069 VOLVO L120H 632990 - HYDRAULIC SYSTEM



Sample No: VCP422189
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 26069



218 - ASCENDUM MACHINERY INC - N. CHARLESTON
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SAMPLE INFORMATION

Sample Number	VCP422189	---	---	---
Sample Date	10 Jul 2024	---	---	---
Machine Hours	5174	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 50.5	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.25	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		■ 17062	---	---	---
Particles >6µm		● 4414	---	---	---
Particles >14µm		▲ 212	---	---	---
ISO 4406:1999 (c)		21/19/15	---	---	---
Silicon	ppm	■ 12	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ <1	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	■ 10	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 65	---	---	---
Magnesium	ppm	■ 15	---	---	---
Zinc	ppm	■ 355	---	---	---
Phosphorus	ppm	■ 312	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO3387
Unique No: 11126520
Signed: Wes Davis
Report Date: 17 Jul 2024



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VOLVO GRAPHS

