



CONSTRUCTION EQUIPMENT

SW1032149 HYDRO ALUM VOLVO L70H 625212 - DIESEL ENGINE



Sample No: VCP439612
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1032149 HYDRO ALUM



ARNOLD MACHINERY COMPANY
 4323 EAST WINSLOW AVENUE
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 US 85040
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SAMPLE INFORMATION

Sample Number	VCP439612	---	---	---
Sample Date	11 Apr 2024	---	---	---
Machine Hours	748	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	█ 9.3	---	---	---
Oxidation (PA)	%	79	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	64	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 25	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 34	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 5	---	---	---
Aluminum	ppm	█ 12	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 41	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 7	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1534	---	---	---
Magnesium	ppm	█ 570	---	---	---
Zinc	ppm	█ 1121	---	---	---
Phosphorus	ppm	█ 1037	---	---	---
Barium	ppm	█ 4	---	---	---
Boron	ppm	█ 44	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VOLVO6174
Unique No: 10982794
Signed: Wes Davis
Report Date: 18 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

