



CONSTRUCTION EQUIPMENT

LKQ VOLVO L60H 622998 - DIESEL ENGINE



Sample No: VCP440775
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: LKQ



SAMPLE INFORMATION

Sample Number	VCP440775	---	---	---
Sample Date	28 Nov 2023	---	---	---
Machine Hours	1027	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	76	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 22	---	---	---



WEAR METALS

Iron	ppm	█ 25	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	11	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 67	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1218	---	---	---
Magnesium	ppm	█ 853	---	---	---
Zinc	ppm	█ 1191	---	---	---
Phosphorus	ppm	█ 994	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 28	---	---	---

Depot: VOLVO0093
Unique No: 10777232
Signed: Wes Davis
Report Date: 08 Dec 2023



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GRAPHS

