



CONSTRUCTION EQUIPMENT

LKQ VOLVO L110H 632741 - DIESEL ENGINE



Sample No: VCP454183
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: LKQ



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



SAMPLE INFORMATION

Sample Number	VCP454183	---	---	---
Sample Date	25 Jan 2024	---	---	---
Machine Hours	541	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	---	---	---
Base Number (BN)	mg KOH/g	█ 9.3	---	---	---
Oxidation (PA)	%	69	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	59	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 13	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 32	---	---	---
Copper	ppm	█ 13	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	▲ 42	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 44	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1620	---	---	---
Magnesium	ppm	█ 744	---	---	---
Zinc	ppm	█ 1288	---	---	---
Phosphorus	ppm	█ 1057	---	---	---
Barium	ppm	█ 18	---	---	---
Boron	ppm	█ 29	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other component wear rates are normal. 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: VOLVO0093
Unique No: 10995430
Signed: Sean Felton
Report Date: 26 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

