



CONSTRUCTION EQUIPMENT

INSTACRETE VOLVO L70H 625043 - DIESEL ENGINE



Sample No: VCP414744
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: INSTACRETE



SAMPLE INFORMATION

Sample Number	VCP414744	---	---	---
Sample Date	15 Sep 2023	---	---	---
Machine Hours	538	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
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	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	█ 9.7	---	---	---
Oxidation (PA)	%	76	---	---	---



CONTAMINATION

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	64	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 22	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.
 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.



WEAR METALS

Iron	ppm	█ 22	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 16	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 43	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1718	---	---	---
Magnesium	ppm	█ 634	---	---	---
Zinc	ppm	█ 1252	---	---	---
Phosphorus	ppm	█ 1029	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 49	---	---	---

Depot: VOLVO0093
Unique No: 10675078
Signed: Wes Davis
Report Date: 04 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

