



CONSTRUCTION EQUIPMENT

INSTACRETE VOLVO L70H 625043 - DIESEL ENGINE



Sample No: VCP440017
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: INSTACRETE



SAMPLE INFORMATION

Sample Number	VCP440017	VCP414744	---	---
Sample Date	13 Feb 2024	15 Sep 2023	---	---
Machine Hours	892	538	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.0	12.6	---	---
Base Number (BN)	mg KOH/g	10.5	9.7	---	---
Oxidation (PA)	%	78	76	---	---

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.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.2	0.3	---	---
Nitration (PA)	%	56	64	---	---
Sulfation (PA)	%	59	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	9	22	---	---
Sodium	ppm	2	5	---	---
Potassium	ppm	0	2	---	---



WEAR METALS

Iron	ppm	10	22	---	---
Copper	ppm	1	9	---	---
Lead	ppm	0	2	---	---
Tin	ppm	<1	4	---	---
Aluminum	ppm	6	16	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	42	43	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	4	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1888	1718	---	---
Magnesium	ppm	557	634	---	---
Zinc	ppm	1222	1252	---	---
Phosphorus	ppm	1034	1029	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	48	49	---	---

Depot: VOLVO0093
Unique No: 10995438
Signed: Wes Davis
Report Date: 25 Apr 2024



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GRAPHS

