



CONSTRUCTION EQUIPMENT

11035 VOLVO L70H 624758 - DIESEL ENGINE



Sample No: VCP440555
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 11035



SAMPLE INFORMATION

Sample Number	VCP440555	VCP411915	---	---
Sample Date	14 Sep 2023	17 Jul 2023	---	---
Machine Hours	624	306	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.8	12.5	---	---
Base Number (BN)	mg KOH/g	10.7	10.1	---	---
Oxidation (PA)	%	81	72	---	---

CONTAMINATION

Soot %	%	0.2	0.2	---	---
Nitration (PA)	%	53	53	---	---
Sulfation (PA)	%	61	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	9	17	---	---
Sodium	ppm	3	4	---	---
Potassium	ppm	<1	2	---	---

WEAR METALS

Iron	ppm	17	34	---	---
Copper	ppm	<1	5	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	1	2	---	---
Aluminum	ppm	8	19	---	---
Chromium	ppm	2	4	---	---
Molybdenum	ppm	42	36	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	4	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	3	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	1844	1645	---	---
Magnesium	ppm	584	592	---	---
Zinc	ppm	1230	1135	---	---
Phosphorus	ppm	1030	953	---	---
Barium	ppm	0	0	---	---
Boron	ppm	44	54	---	---

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.

Depot: JAAPHI
Unique No: 10659615
Signed: Wes Davis
Report Date: 22 Sep 2023



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GRAPHS

