



CONSTRUCTION EQUIPMENT

SWA452192-2 VOLVO L30GS 322075 - DIESEL ENGINE



Sample No: VCP441610
Oil Type: MOBIL 15W40
Job No: SWA452192-2



SAMPLE INFORMATION

Sample Number	VCP441610	VCP386712	VCP312522	---
Sample Date	10 Jan 2024	01 Nov 2022	28 Dec 2021	---
Machine Hours	0	5081	4221	---
Oil Hours	0	860	4221	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ABNORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	12.3	10.5	11.1	---
Base Number (BN)	mg KOH/g	10.6	9.5	9.4	---
Oxidation (PA)	%	76	88	84	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.7	0.3	---
Nitration (PA)	%	43	100	75	---
Sulfation (PA)	%	59	64	63	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	2.5	8.9	9.7	---
Silicon	ppm	6	7	6	---
Sodium	ppm	<1	3	<1	---
Potassium	ppm	0	0	<1	---



WEAR METALS

Iron	ppm	<1	23	10	---
Copper	ppm	<1	2	<1	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	2	3	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	37	48	43	---
Nickel	ppm	2	0	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	1487	1507	1581	---
Magnesium	ppm	508	447	444	---
Zinc	ppm	1122	938	981	---
Phosphorus	ppm	904	780	817	---
Barium	ppm	0	0	0	---
Boron	ppm	51	30	37	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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: VOLVO0090
Unique No: 10830450
Signed: Wes Davis
Report Date: 16 Jan 2024



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GRAPHS

