



CONSTRUCTION EQUIPMENT

SPM633266 STORK CONS VOLVO L120H 632944 - DIESEL ENGINE



Sample No: VCP409037
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SPM633266 STORK CONS



ALTA CONSTRUCTION EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP409037	VCP397120	---	---
Sample Date	16 Nov 2023	02 Dec 2022	---	---
Machine Hours	1439	984	---	---
Oil Hours	500	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	14.3	13.2	---	---
Base Number (BN)	mg KOH/g	8.4	11.0	---	---
Oxidation (PA)	%	78	86	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.2	0.4	---	---
Nitration (PA)	%	72	71	---	---
Sulfation (PA)	%	58	68	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	7	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	1	2	---	---



WEAR METALS

Iron	ppm	12	14	---	---
Copper	ppm	2	3	---	---
Lead	ppm	1	<1	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	7	21	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	52	45	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	1374	1735	---	---
Magnesium	ppm	924	452	---	---
Zinc	ppm	1380	1120	---	---
Phosphorus	ppm	1061	940	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	18	62	---	---

Diagnosis

Resample at the next service interval to monitor. All 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: VOLVO5023
Unique No: 10764796
Signed: Wes Davis
Report Date: 29 Nov 2023



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GRAPHS

