



CONSTRUCTION EQUIPMENT

SPM633739 VOLVO L120H 633335 - DIESEL ENGINE



Sample No: VCP440610
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM633739



SAMPLE INFORMATION

Sample Number	VCP440610	VCP425589	VCP420189	---
Sample Date	15 Nov 2023	28 Sep 2023	27 Jul 2023	---
Machine Hours	1509	999	613	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

OZINGA BROS INC
 19001 OLD LAGRANDE RD
 MOKENA, IL
 US 60448
 Contact: ED JONGSMA



OIL CONDITION

Visc @ 100°C	cSt	14.5	14.3	12.3	---
Base Number (BN)	mg KOH/g	10.3	9.3	9.0	---
Oxidation (PA)	%	55	60	73	---

T: (708)326-4200
 F:

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.



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.2	0.3	0.4	---
Nitration (PA)	%	47	54	62	---
Sulfation (PA)	%	50	53	58	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.6	---
Silicon	ppm	7	5	12	---
Sodium	ppm	4	2	4	---
Potassium	ppm	2	0	3	---



WEAR METALS

Iron	ppm	10	16	32	---
Copper	ppm	1	3	11	---
Lead	ppm	0	<1	3	---
Tin	ppm	<1	1	4	---
Aluminum	ppm	4	9	46	---
Chromium	ppm	<1	1	4	---
Molybdenum	ppm	81	58	41	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	<1	3	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	1306	1138	1478	---
Magnesium	ppm	1307	959	679	---
Zinc	ppm	1645	1279	1146	---
Phosphorus	ppm	1147	1036	957	---
Barium	ppm	11	0	27	---
Boron	ppm	1	4	44	---

Depot: OZIMOKVC
Unique No: 10882810
Signed: Sean Felton
Report Date: 16 Feb 2024



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GRAPHS

