



CONSTRUCTION EQUIPMENT

SPM742858 VOLVO L120H 633335 - DIESEL ENGINE



Sample No: VCP425329
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM742858



SAMPLE INFORMATION

Sample Number	VCP425329	VCP422587	VCP440610	---
Sample Date	08 Jul 2024	30 Apr 2024	15 Nov 2023	---
Machine Hours	3007	2608	1509	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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



OIL CONDITION

Visc @ 100°C	cSt	13.0	13.2	14.5	---
Base Number (BN)	mg KOH/g	9.1	9.3	10.3	---
Oxidation (PA)	%	62	60	55	---

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 %	%	0.4	0.3	0.2	---
Nitration (PA)	%	63	63	47	---
Sulfation (PA)	%	54	53	50	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	4	3	7	---
Sodium	ppm	2	2	4	---
Potassium	ppm	2	0	2	---



WEAR METALS

Iron	ppm	12	14	10	---
Copper	ppm	1	1	1	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	3	3	4	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	58	65	81	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	0	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	1194	1200	1306	---
Magnesium	ppm	900	1059	1307	---
Zinc	ppm	1144	1275	1645	---
Phosphorus	ppm	1004	1071	1147	---
Barium	ppm	0	0	11	---
Boron	ppm	6	0	1	---

Depot: OZIMOKVC
Unique No: 11128804
Signed: Wes Davis
Report Date: 18 Jul 2024



CONSTRUCTION EQUIPMENT



GRAPHS

