



# CONSTRUCTION EQUIPMENT

SPM633729 VOLVO L120H 632945 - DIESEL ENGINE



**Sample No:** VCP429066  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM633729



## SAMPLE INFORMATION

Sample Number	VCP429066	VCP427112	VCP423154	VCP422714
Sample Date	10 Nov 2023	28 Sep 2023	18 Jul 2023	12 May 2023
Machine Hours	4002	3586	3117	2627
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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



## OIL CONDITION

Visc @ 100°C	cSt	13.5	14.8	14.6	14.6
Base Number (BN)	mg KOH/g	9.7	9.3	9.3	10.0
Oxidation (PA)	%	61	60	62	61

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	NEG
Soot %	%	0.4	0.4	0.5	0.3
Nitration (PA)	%	60	61	67	62
Sulfation (PA)	%	54	53	54	54
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	3	3	4
Sodium	ppm	0	2	2	0
Potassium	ppm	1	0	0	1



## WEAR METALS

Iron	ppm	9	12	14	15
Copper	ppm	2	<1	<1	2
Lead	ppm	0	<1	0	<1
Tin	ppm	<1	<1	<1	1
Aluminum	ppm	2	2	2	4
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	61	62	62	67
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	<1	0



## ADDITIVES

Calcium	ppm	1080	1071	1125	1126
Magnesium	ppm	923	1024	1053	1009
Zinc	ppm	1199	1352	1307	1365
Phosphorus	ppm	996	1066	1076	1095
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

**Depot:** OZIMOKVC  
**Unique No:** 10766816  
**Signed:** Wes Davis  
**Report Date:** 01 Dec 2023

**VOLVO** **GRAPHS**

