



CONSTRUCTION EQUIPMENT

SPM579011 VOLVO L120H 632945 - DIESEL ENGINE



Sample No: VCP423154
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM579011



SAMPLE INFORMATION

Sample Number	VCP423154	VCP422714	VCP401601	VCP365452
Sample Date	18 Jul 2023	12 May 2023	27 Jan 2023	28 Sep 2022
Machine Hours	3117	2627	2078	1524
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
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	14.6	14.6	14.2	14.1
Base Number (BN)	mg KOH/g	9.3	10.0	9.7	10.6
Oxidation (PA)	%	62	61	60	64

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

Soot %	%	0.5	0.3	0.3	0.4
Nitration (PA)	%	67	62	61	67
Sulfation (PA)	%	54	54	53	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	4	4	4
Sodium	ppm	2	0	0	<1
Potassium	ppm	0	1	2	2



WEAR METALS

Iron	ppm	14	15	14	14
Copper	ppm	<1	2	2	5
Lead	ppm	0	<1	<1	1
Tin	ppm	<1	1	<1	1
Aluminum	ppm	2	4	4	5
Chromium	ppm	<1	1	<1	1
Molybdenum	ppm	62	67	65	61
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	1125	1126	1119	1083
Magnesium	ppm	1053	1009	932	934
Zinc	ppm	1307	1365	1264	1258
Phosphorus	ppm	1076	1095	1044	1030
Barium	ppm	0	0	<1	0
Boron	ppm	0	0	0	2

Depot: OZIMOKVC
Unique No: 10573982
Signed: Wes Davis
Report Date: 27 Jul 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

