



CONSTRUCTION EQUIPMENT

SPM605685 VOLVO L120H 632806 - DIESEL ENGINE



Sample No: VCP420038
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM605685



SAMPLE INFORMATION

Sample Number	VCP420038	VCP382770	VCP401583	VCP364783
Sample Date	12 Sep 2023	18 May 2023	25 Jan 2023	13 Sep 2022
Machine Hours	4530	3989	3544	2556
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	15.2	14.8	13.9	14.1
Base Number (BN)	mg KOH/g	9.5	9.6	8.6	9.9
Oxidation (PA)	%	51	62	69	71

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 %	%	0.1	0.4	0.6	0.6
Nitration (PA)	%	38	63	81	76
Sulfation (PA)	%	47	55	57	60
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	3	4	5
Sodium	ppm	1	1	1	1
Potassium	ppm	2	<1	0	<1



WEAR METALS

Iron	ppm	2	15	22	16
Copper	ppm	0	2	2	4
Lead	ppm	0	0	2	2
Tin	ppm	<1	<1	1	1
Aluminum	ppm	<1	6	7	5
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	56	61	59	63
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	1012	1126	1123	1028
Magnesium	ppm	973	1034	894	981
Zinc	ppm	1258	1297	1157	1268
Phosphorus	ppm	1037	1053	919	1055
Barium	ppm	0	0	0	0
Boron	ppm	0	0	7	0

Depot: OZIMOKVC
Unique No: 10658030
Signed: Wes Davis
Report Date: 21 Sep 2023



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GRAPHS

