



CONSTRUCTION EQUIPMENT

SPM702823 VOLVO L120H 633335 - DIESEL ENGINE



Sample No: VCP422587
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM702823



SAMPLE INFORMATION

Sample Number	VCP422587	VCP440610	VCP425589	VCP420189
Sample Date	30 Apr 2024	15 Nov 2023	28 Sep 2023	27 Jul 2023
Machine Hours	2608	1509	999	613
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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



OIL CONDITION

Visc @ 100°C	cSt	13.2	14.5	14.3	12.3
Base Number (BN)	mg KOH/g	9.3	10.3	9.3	9.0
Oxidation (PA)	%	60	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	NEG
Soot %	%	0.3	0.2	0.3	0.4
Nitration (PA)	%	63	47	54	62
Sulfation (PA)	%	53	50	53	58
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	0.6
Silicon	ppm	3	7	5	12
Sodium	ppm	2	4	2	4
Potassium	ppm	0	2	0	3



WEAR METALS

Iron	ppm	14	10	16	32
Copper	ppm	1	1	3	11
Lead	ppm	0	0	<1	3
Tin	ppm	0	<1	1	4
Aluminum	ppm	3	4	9	46
Chromium	ppm	<1	<1	1	4
Molybdenum	ppm	65	81	58	41
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	0	<1	3
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	1200	1306	1138	1478
Magnesium	ppm	1059	1307	959	679
Zinc	ppm	1275	1645	1279	1146
Phosphorus	ppm	1071	1147	1036	957
Barium	ppm	0	11	0	27
Boron	ppm	0	1	4	44

Depot: OZIMOKVC
Unique No: 11029616
Signed: Wes Davis
Report Date: 14 May 2024



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GRAPHS

