



CONSTRUCTION EQUIPMENT

VOLVO L150G NR23026 - DIESEL ENGINE



Sample No: VCP418079
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP418079	VCP403844	VCP405067	VCP338091
Sample Date	06 Sep 2023	05 Jun 2023	24 Mar 2023	21 Dec 2022
Machine Hours	12744	12465	12252	12001
Oil Hours	279	250	250	255
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.6	12.7	12.9	12.7
Base Number (BN)	mg KOH/g	10.3	10.5	10.0	10.5
Oxidation (PA)	%	77	77	56	80

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 %	%	0.2	0.1	0.1	0.1
Nitration (PA)	%	50	47	48	51
Sulfation (PA)	%	59	60	51	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	4	2	<1
Sodium	ppm	4	6	3	3
Potassium	ppm	0	<1	<1	<1



WEAR METALS

Iron	ppm	2	3	2	2
Copper	ppm	1	2	5	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	7	<1	<1	1
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	41	57	59	43
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	1649	2097	1182	1569
Magnesium	ppm	560	749	991	527
Zinc	ppm	944	1271	1314	903
Phosphorus	ppm	772	1082	1071	751
Barium	ppm	0	0	0	0
Boron	ppm	48	73	14	52

Depot: MARDIC
Unique No: 10644701
Signed: Wes Davis
Report Date: 14 Sep 2023



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GRAPHS

