



CONSTRUCTION EQUIPMENT

VOLVO L150G NR23026 - DIESEL ENGINE



Sample No: VCP436350
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP436350	VCP418079	VCP403844	VCP405067
Sample Date	05 Dec 2023	06 Sep 2023	05 Jun 2023	24 Mar 2023
Machine Hours	13014	12744	12465	12252
Oil Hours	270	279	250	250
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.7	12.6	12.7	12.9
Base Number (BN)	mg KOH/g	10.2	10.3	10.5	10.0
Oxidation (PA)	%	79	77	77	56

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 %	%	0.1	0.2	0.1	0.1
Nitration (PA)	%	50	50	47	48
Sulfation (PA)	%	60	59	60	51
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	3	4	2
Sodium	ppm	8	4	6	3
Potassium	ppm	1	0	<1	<1



WEAR METALS

Iron	ppm	3	2	3	2
Copper	ppm	2	1	2	5
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	7	<1	<1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	42	41	57	59
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	1640	1649	2097	1182
Magnesium	ppm	517	560	749	991
Zinc	ppm	932	944	1271	1314
Phosphorus	ppm	746	772	1082	1071
Barium	ppm	0	0	0	0
Boron	ppm	62	48	73	14

Depot: MARDIC
Unique No: 10779637
Signed: Wes Davis
Report Date: 12 Dec 2023



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GRAPHS

