



CONSTRUCTION EQUIPMENT

VOLVO L150H 4375 - DIESEL ENGINE



Sample No: VCP442915
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP442915	VCP416322	VCP403881	VCP390144
Sample Date	22 Nov 2023	07 Aug 2023	15 May 2023	09 Mar 2023
Machine Hours	11007	10788	10497	10236
Oil Hours	219	291	250	255
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.5	12.7	12.9	13.0
Base Number (BN)	mg KOH/g	9.6	9.8	10.0	10.2
Oxidation (PA)	%	80	80	79	75

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	0.1	0.1	0.1
Nitration (PA)	%	50	53	56	53
Sulfation (PA)	%	60	59	60	58
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	4	3	3
Sodium	ppm	4	4	4	4
Potassium	ppm	<1	<1	0	<1



WEAR METALS

Iron	ppm	0	2	3	2
Copper	ppm	0	<1	<1	<1
Lead	ppm	<1	0	<1	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	1	0	1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	39	42	40	43
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1657	1731	1598	1626
Magnesium	ppm	522	557	506	549
Zinc	ppm	950	976	891	921
Phosphorus	ppm	714	814	757	737
Barium	ppm	0	0	0	0
Boron	ppm	53	56	58	44

Depot: MARDIC
Unique No: 10762492
Signed: Wes Davis
Report Date: 28 Nov 2023



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GRAPHS

