



CONSTRUCTION EQUIPMENT

VOLVO L150H 5363 - DIESEL ENGINE



Sample No: VCP416551
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP416551	VCP392765	VCP341187	VCP366582
Sample Date	30 Oct 2023	07 Sep 2023	28 Jun 2023	17 Feb 2023
Machine Hours	9233	8999	8740	8239
Oil Hours	234	259	250	228
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

MARYLAND ENVIRONMENTAL SERVICES
 21210 MARTINSBURG RD
 DICKERSON, MD
 US 20842
 Contact: ALAN PARRISH
 aparr@menv.com
 T: (301)428-8185
 F: (301)428-8311



OIL CONDITION

Visc @ 100°C	cSt	12.9	12.6	12.9	13.0
Base Number (BN)	mg KOH/g	10.3	10.4	10.2	9.8
Oxidation (PA)	%	81	80	82	57

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	0.1	0.2	0.1
Nitration (PA)	%	48	49	51	48
Sulfation (PA)	%	60	60	60	51
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	3	3	2
Sodium	ppm	6	4	0	3
Potassium	ppm	1	0	1	0



WEAR METALS

Iron	ppm	2	2	2	2
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	2	7	2	<1
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	38	37	41	59
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1514	1697	1588	1186
Magnesium	ppm	477	543	468	931
Zinc	ppm	863	958	891	1227
Phosphorus	ppm	762	773	761	979
Barium	ppm	5	0	0	0
Boron	ppm	60	52	56	11

Depot: MARDIC
Unique No: 10729254
Signed: Wes Davis
Report Date: 08 Nov 2023

VOLVO **GRAPHS**

