



CONSTRUCTION EQUIPMENT

VOLVO L150H 4487 - DIESEL ENGINE



Sample No: VCP401927
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP401927	VCP401926	VCP385228	VCP359629
Sample Date	15 Aug 2023	06 Jul 2023	26 May 2023	11 Apr 2023
Machine Hours	17210	16951	16750	16479
Oil Hours	259	201	16750	201
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.6	12.6	13.0	12.7
Base Number (BN)	mg KOH/g	10.3	9.8	10.2	10.2
Oxidation (PA)	%	80	76	80	78

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	0.1	0
Nitration (PA)	%	48	45	48	45
Sulfation (PA)	%	61	58	61	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	4	5
Sodium	ppm	3	2	2	1
Potassium	ppm	0	<1	0	<1



WEAR METALS

Iron	ppm	2	2	1	2
Copper	ppm	0	0	<1	0
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	2	<1	0
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	39	38	38	40
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	1710	1690	1725	1683
Magnesium	ppm	520	491	489	504
Zinc	ppm	881	880	895	925
Phosphorus	ppm	754	735	710	780
Barium	ppm	0	0	0	0
Boron	ppm	58	60	66	67

Depot: SCHGRE
Unique No: 10617109
Signed: Wes Davis
Report Date: 24 Aug 2023



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VOLVO GRAPHS

