



CONSTRUCTION EQUIPMENT

VOLVO L150H 4487 - DIESEL ENGINE



Sample No: VCP433280
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP433280	VCP307511	VCP331515	VCP312839
Sample Date	10 Apr 2024	04 Mar 2024	01 Feb 2024	18 Dec 2023
Machine Hours	18610	18384	18196	17985
Oil Hours	226	188	211	245
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.0	13.3	13.0	13.1
Base Number (BN)	mg KOH/g	9.3	7.0	7.6	6.6
Oxidation (PA)	%	73	58	62	59

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)	%	53	64	60	66
Sulfation (PA)	%	57	48	51	50
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	7	3
Sodium	ppm	5	2	3	<1
Potassium	ppm	5	0	2	2



WEAR METALS

Iron	ppm	1	0	2	<1
Copper	ppm	<1	0	<1	0
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	2	3	3
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	63	113	94	116
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	1533	1317	1165	1187
Magnesium	ppm	525	652	522	627
Zinc	ppm	887	821	753	813
Phosphorus	ppm	780	744	599	762
Barium	ppm	0	0	34	0
Boron	ppm	90	123	102	127

Depot: SCHGRE
Unique No: 10989477
Signed: Wes Davis
Report Date: 22 Apr 2024



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GRAPHS

