



CONSTRUCTION EQUIPMENT

VOLVO L150H 4487 - DIESEL ENGINE



Sample No: VCP331515
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP331515	VCP312839	VCP331584	VCP312535
Sample Date	01 Feb 2024	18 Dec 2023	09 Nov 2023	02 Oct 2023
Machine Hours	18196	17985	17740	17506
Oil Hours	211	245	234	296
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SCHILDBERG CONSTRUCTION COMPANY
 PO BOX 358
 GREENFIELD, IA
 US 50849
 Contact: SCOTT ARMSTRONG
 sarmstrong@schildberg.com
 T: (641)743-8237
 F: (641)743-2486



OIL CONDITION

Visc @ 100°C	cSt	13.0	13.1	13.2	12.6
Base Number (BN)	mg KOH/g	7.6	6.6	7.1	9.2
Oxidation (PA)	%	62	59	62	76

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 acceptable for the time in service.



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	60	66	64	50
Sulfation (PA)	%	51	50	51	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	3	4	3
Sodium	ppm	3	<1	2	2
Potassium	ppm	2	2	<1	<1



WEAR METALS

Iron	ppm	2	<1	0	2
Copper	ppm	<1	0	<1	0
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	3	3	2	1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	94	116	112	47
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	0
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	1165	1187	1339	1550
Magnesium	ppm	522	627	691	498
Zinc	ppm	753	813	931	876
Phosphorus	ppm	599	762	715	758
Barium	ppm	34	0	0	0
Boron	ppm	102	127	124	53

Depot: SCHGRE
Unique No: 10898193
Signed: Don Baldrige
Report Date: 27 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

