



CONSTRUCTION EQUIPMENT

SPM608318 VOLVO L150H 7135 - DIESEL ENGINE



Sample No: VCP427406
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM608318



SAMPLE INFORMATION

Sample Number	VCP427406	VCP420664	VCP422997	VCP420066
Sample Date	12 Oct 2023	25 Aug 2023	25 Aug 2023	24 Apr 2023
Machine Hours	1283	995	4044	562
Oil Hours	0	0	0	0
Oil Changed	Not Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	ABNORMAL

WASTE MANAGEMENT - GARY
 1508 SHERMAN ST
 GARY, IN
 US 46406
 Contact: TARA RORK

OIL CONDITION

Visc @ 100°C	cSt	14.5	13.3	13.6	▲ 11.2
Base Number (BN)	mg KOH/g	8.9	6.9	9.8	5.0
Oxidation (PA)	%	55	61	56	61

T:
F:

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	0.2	0.1	0.1
Nitration (PA)	%	48	68	53	73
Sulfation (PA)	%	51	57	51	52
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	13	3	21
Sodium	ppm	3	3	2	2
Potassium	ppm	2	2	<1	3

WEAR METALS

Iron	ppm	3	7	3	8
Copper	ppm	12	▲ 105	2	▲ 221
Lead	ppm	0	0	0	<1
Tin	ppm	<1	2	<1	2
Aluminum	ppm	2	2	<1	2
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	54	69	63	76
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	1	<1	3
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	993	1512	1107	1968
Magnesium	ppm	859	729	1047	40
Zinc	ppm	1153	1350	1366	1166
Phosphorus	ppm	928	1059	1105	909
Barium	ppm	0	0	0	0
Boron	ppm	0	11	3	45

Depot: WASGARIN
Unique No: 10712788
Signed: Wes Davis
Report Date: 27 Oct 2023



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VOLVO GRAPHS

