



CONSTRUCTION EQUIPMENT

VOLVO L150H 6989 - DIESEL ENGINE



Sample No: VCP431297
Oil Type: VALVOLINE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP431297	VCP411567	---	---
Sample Date	17 Nov 2023	02 Oct 2023	---	---
Machine Hours	5752	5387	---	---
Oil Hours	365	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

CITY CARTING
 221 OLD GATE LN
 MILFORD, CT
 US 06460
 Contact: TAVINS BANKS
 tavins@citycart.net
 T: (203)223-3885
 F:



OIL CONDITION

Visc @ 100°C	cSt	12.9	12.8	---	---
Base Number (BN)	mg KOH/g	8.3	7.7	---	---
Oxidation (PA)	%	54	82	---	---

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	---	---
Soot %	%	0.1	0.3	---	---
Nitration (PA)	%	56	76	---	---
Sulfation (PA)	%	50	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	13	---	---
Sodium	ppm	2	4	---	---
Potassium	ppm	2	<1	---	---



WEAR METALS

Iron	ppm	2	10	---	---
Copper	ppm	<1	3	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	<1	2	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	31	46	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1883	1635	---	---
Magnesium	ppm	245	432	---	---
Zinc	ppm	954	1085	---	---
Phosphorus	ppm	866	910	---	---
Barium	ppm	0	0	---	---
Boron	ppm	25	25	---	---

Depot: CITMILCON
Unique No: 10756296
Signed: Wes Davis
Report Date: 28 Nov 2023



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GRAPHS

