



CONSTRUCTION EQUIPMENT

A10915 RMR VOLVO L150F 14545 - DIESEL ENGINE



Sample No: VCP416725
Oil Type: MOBIL 15W40
Job No: A10915 RMR



SAMPLE INFORMATION

Sample Number	VCP416725	VCP393723	VCP363941	---
Sample Date	15 Aug 2023	17 Mar 2023	02 Sep 2022	---
Machine Hours	25730	24730	23486	---
Oil Hours	500	500	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
 Contact: JIM FEHR
 jim.fehr@hoffmanequip.com
 T: (610)363-9200
 F: (610)594-0829



OIL CONDITION

Visc @ 100°C	cSt	▲ 11.9	■ 12.5	▲ 11.8	---
Base Number (BN)	mg KOH/g	■ 5.5	■ 8.2	■ 6.3	---
Oxidation (PA)	%	49	59	86	---



CONTAMINATION

Soot %	%	■ 1.2	■ 0.9	■ 2.6	---
Nitration (PA)	%	71	63	107	---
Sulfation (PA)	%	56	55	78	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	▲ 5.9	▲ 6.0	▲ 5.8	---
Silicon	ppm	■ 3	■ 6	■ 6	---
Sodium	ppm	■ 0	■ 2	■ 2	---
Potassium	ppm	■ 2	■ <1	■ <1	---



WEAR METALS

Iron	ppm	■ 18	■ 22	■ 72	---
Copper	ppm	■ 4	■ 9	■ 25	---
Lead	ppm	■ 2	■ 3	■ 15	---
Tin	ppm	■ 2	■ 2	■ 5	---
Aluminum	ppm	■ 10	■ 5	■ 11	---
Chromium	ppm	■ <1	■ <1	■ 1	---
Molybdenum	ppm	■ 19	■ 58	■ 43	---
Nickel	ppm	■ 2	■ <1	■ 2	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	■ 2	■ 0	■ 0	---
Manganese	ppm	■ <1	■ <1	■ <1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	■ 1982	■ 1316	■ 1615	---
Magnesium	ppm	■ 188	708	■ 299	---
Zinc	ppm	■ 1019	■ 1213	■ 950	---
Phosphorus	ppm	■ 823	■ 1032	■ 730	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 5	■ 3	■ 5	---

Diagnosis

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: VOLVO8879
Unique No: 10617825
Signed: Sean Felton
Report Date: 25 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

