



CONSTRUCTION EQUIPMENT

374949 VOLVO L60F 61944 - DIESEL ENGINE



Sample No: VCP391558
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 374949



SAMPLE INFORMATION

Sample Number	VCP391558	VCE241544	VCE038160	---
Sample Date	13 Sep 2023	25 Apr 2016	16 Dec 2009	---
Machine Hours	7872	3658	146	---
Oil Hours	1000	0	156	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---



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OIL CONDITION

Visc @ 100°C	cSt	14.7	14.3	14.0	---
Oxidation (PA)	%	67	74	54	---



CONTAMINATION

Soot %	%	0.6	0.6	0	---
Nitration (PA)	%	78	86	42	---
Sulfation (PA)	%	60	66	60	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	9	38	---
Sodium	ppm	7	6	0	---
Potassium	ppm	<1	<1	1	---



WEAR METALS

Iron	ppm	19	30	20	---
Copper	ppm	4	3	10	---
Lead	ppm	<1	<1	4	---
Tin	ppm	<1	1	2	---
Aluminum	ppm	3	3	5	---
Chromium	ppm	1	2	2	---
Molybdenum	ppm	61	47	64	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	3	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	1634	1377	1342	---
Magnesium	ppm	559	839	403	---
Zinc	ppm	1103	1134	1234	---
Phosphorus	ppm	993	826	1031	---
Barium	ppm	0	0	<1	---
Boron	ppm	36	32	342	---

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 condition of the oil is acceptable for the time in service.

Depot: VOLVO9652
Unique No: 5643830
Signed: Wes Davis
Report Date: 15 Sep 2023



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GRAPHS

