



CONSTRUCTION EQUIPMENT

561 VOLVO L70G 614116 - DIESEL ENGINE



Sample No: VCP427171
Oil Type: MOBIL 15W40
Job No: 561



SAMPLE INFORMATION

Sample Number	VCP427171	VCP341094	---	---
Sample Date	16 Nov 2023	29 Sep 2022	---	---
Machine Hours	2969	2670	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

VCES- VOLVO CONSTRUCTION EQUIPMENT
 12345 MAPLEVIEW STREET
 LAKESIDE, CA
 US 92040
 Contact: Mark Stewart
 mark.stewart@vcesvolvo.com
 T: X
 F: X



OIL CONDITION

Visc @ 100°C	cSt	12.7	12.6	---	---
Base Number (BN)	mg KOH/g	10.4	11.6	---	---
Oxidation (PA)	%	80	86	---	---

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 %	%	0.2	0.2	---	---
Nitration (PA)	%	53	62	---	---
Sulfation (PA)	%	60	65	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	8	6	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	0	0	---	---



WEAR METALS

Iron	ppm	10	12	---	---
Copper	ppm	4	1	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	13	10	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	39	42	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1674	1700	---	---
Magnesium	ppm	480	496	---	---
Zinc	ppm	1093	1074	---	---
Phosphorus	ppm	990	901	---	---
Barium	ppm	0	0	---	---
Boron	ppm	44	52	---	---

Depot: VOLVO4488
Unique No: 10763888
Signed: Wes Davis
Report Date: 29 Nov 2023



CONSTRUCTION EQUIPMENT



GRAPHS

