



CONSTRUCTION EQUIPMENT

SHOP VOLVO L110E D70LBE2 - DIESEL ENGINE



Sample No: VCP425540
Oil Type: PETRO CANADA 10W30
Job No: SHOP



SAMPLE INFORMATION

Sample Number	VCP425540	VCP229135	---	---
Sample Date	02 Feb 2024	09 May 2019	---	---
Machine Hours	6161	1404	---	---
Oil Hours	300	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	11.6	11.9	---	---
Base Number (BN)	mg KOH/g	8.3	---	---	---
Oxidation (PA)	%	64	77	---	---

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)	%	67	73	---	---
Sulfation (PA)	%	52	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	3	2	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	0	0	---	---



WEAR METALS

Iron	ppm	4	5	---	---
Copper	ppm	0	0	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	59	6	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	972	2158	---	---
Magnesium	ppm	937	19	---	---
Zinc	ppm	1256	1089	---	---
Phosphorus	ppm	1067	764	---	---
Barium	ppm	0	0	---	---
Boron	ppm	18	149	---	---

Depot: WOOSTM
Unique No: 10870367
Signed: Wes Davis
Report Date: 08 Feb 2024



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GRAPHS

