



CONSTRUCTION EQUIPMENT

717262 PRINCE CONST VOLVO L90H 627128 - DIESEL ENGINE



Sample No: VCP454564
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 717262 PRINCE CONST



SAMPLE INFORMATION

Sample Number	VCP454564	VCP434068	---	---
Sample Date	25 May 2024	24 Dec 2023	---	---
Machine Hours	1119	482	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.3	12.6	---	---
Base Number (BN)	mg KOH/g	9.2	9.7	---	---
Oxidation (PA)	%	77	71	---	---

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)	%	64	55	---	---
Sulfation (PA)	%	60	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	8	17	---	---
Sodium	ppm	1	0	---	---
Potassium	ppm	2	3	---	---



WEAR METALS

Iron	ppm	13	18	---	---
Copper	ppm	2	6	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	1	2	---	---
Aluminum	ppm	7	24	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	62	48	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1483	1474	---	---
Magnesium	ppm	639	504	---	---
Zinc	ppm	1213	1067	---	---
Phosphorus	ppm	1090	1006	---	---
Barium	ppm	<1	12	---	---
Boron	ppm	128	105	---	---

Depot: VOLVO0096
Unique No: 11058457
Signed: Don Baldrige
Report Date: 03 Jun 2024



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GRAPHS

