



CONSTRUCTION EQUIPMENT

SPM633827-10 DCRC VOLVO L90H 625 140 - DIESEL ENGINE



Sample No: VCP431329
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SPM633827-10 DCRC



SAMPLE INFORMATION

Sample Number	VCP431329	VCP285920	---	---
Sample Date	30 Nov 2023	30 Aug 2021	---	---
Machine Hours	1022	639	---	---
Oil Hours	0	173	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
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OIL CONDITION

Visc @ 100°C	cSt	12.8	12.9	---	---
Base Number (BN)	mg KOH/g	10.5	---	---	---
Oxidation (PA)	%	80	84	---	---

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 %	%	0.3	0	---	---
Nitration (PA)	%	65	57	---	---
Sulfation (PA)	%	60	68	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	11	7	---	---
Sodium	ppm	4	<1	---	---
Potassium	ppm	2	1	---	---



WEAR METALS

Iron	ppm	42	14	---	---
Copper	ppm	2	2	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	22	8	---	---
Chromium	ppm	2	2	---	---
Molybdenum	ppm	47	43	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1733	1700	---	---
Magnesium	ppm	583	528	---	---
Zinc	ppm	1239	1072	---	---
Phosphorus	ppm	1012	966	---	---
Barium	ppm	0	0	---	---
Boron	ppm	53	64	---	---

Depot: VOLVO2990
Unique No: 10780121
Signed: Wes Davis
Report Date: 12 Dec 2023



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GRAPHS

