



CONSTRUCTION EQUIPMENT

CEMEX VOLVO L90H 624746 - DIESEL ENGINE



Sample No: VCP412398
Oil Type: CHEVRON DELO 400 SDE SAE 15W40
Job No: CEMEX



SAMPLE INFORMATION

Sample Number	VCP412398	VCP416260	---	---
Sample Date	21 Jun 2024	29 Aug 2023	---	---
Machine Hours	11713	10617	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.8	12.5	---	---
Base Number (BN)	mg KOH/g	7.9	8.0	---	---
Oxidation (PA)	%	68	57	---	---

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 %	%	0.5	0.4	---	---
Nitration (PA)	%	73	62	---	---
Sulfation (PA)	%	62	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	5	6	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	2	2	---	---



WEAR METALS

Iron	ppm	5	9	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	10	13	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	123	118	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1496	1628	---	---
Magnesium	ppm	633	620	---	---
Zinc	ppm	1013	891	---	---
Phosphorus	ppm	789	717	---	---
Barium	ppm	0	0	---	---
Boron	ppm	232	273	---	---

Depot: VOLVO8737
Unique No: 11098961
Signed: Wes Davis
Report Date: 27 Jun 2024



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GRAPHS

