



CONSTRUCTION EQUIPMENT

VOLVO L90H 625464 - DIESEL ENGINE



Sample No: VCP416264
Oil Type: CHEVRON DELO 400 MULTIGRADE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP416264	VCP416565	---	---
Sample Date	16 Feb 2024	21 Jun 2023	---	---
Machine Hours	4331	3039	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.7	13.6	---	---
Base Number (BN)	mg KOH/g	7.0	6.3	---	---
Oxidation (PA)	%	76	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 %	%	0.8	1	---	---
Nitration (PA)	%	88	88	---	---
Sulfation (PA)	%	67	69	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	11	8	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	2	2	---	---



WEAR METALS

Iron	ppm	27	41	---	---
Copper	ppm	3	7	---	---
Lead	ppm	5	3	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	12	6	---	---
Chromium	ppm	2	2	---	---
Molybdenum	ppm	139	110	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1509	1680	---	---
Magnesium	ppm	665	590	---	---
Zinc	ppm	843	1077	---	---
Phosphorus	ppm	681	816	---	---
Barium	ppm	0	15	---	---
Boron	ppm	129	108	---	---

Depot: INSDON
Unique No: 10903925
Signed: Wes Davis
Report Date: 01 Mar 2024



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GRAPHS

