



CONSTRUCTION EQUIPMENT

SW-34386-2 CHAISON VOLVO ECR145E 316420 - DIESEL ENGINE



Sample No: VCP391265
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-34386-2 CHAISON



SAMPLE INFORMATION

Sample Number	VCP391265	VCP432512	---	---
Sample Date	14 May 2024	18 Sep 2023	---	---
Machine Hours	1093	555	---	---
Oil Hours	500	555	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.4	13.2	---	---
Base Number (BN)	mg KOH/g	9.4	6.8	---	---
Oxidation (PA)	%	56	42	---	---

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 %	%	0.6	0.5	---	---
Nitration (PA)	%	59	55	---	---
Sulfation (PA)	%	52	47	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	19	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	1	3	---	---



WEAR METALS

Iron	ppm	31	38	---	---
Copper	ppm	4	11	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	2	3	---	---
Aluminum	ppm	4	10	---	---
Chromium	ppm	1	3	---	---
Molybdenum	ppm	56	4	---	---
Nickel	ppm	2	11	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1203	2317	---	---
Magnesium	ppm	861	87	---	---
Zinc	ppm	1185	1097	---	---
Phosphorus	ppm	985	929	---	---
Barium	ppm	0	0	---	---
Boron	ppm	14	0	---	---

Depot: VOLV08770
Unique No: 11042533
Signed: Jonathan Hester
Report Date: 23 May 2024



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GRAPHS

