



CONSTRUCTION EQUIPMENT

VOLVO ECR355EL 314256 - DIESEL ENGINE



Sample No: VCP0007374

Oil Type: DIESEL ENGINE OIL SAE 40

Job No:



SAMPLE INFORMATION

Sample Number	VCP0007374	VCP362453	---	---
Sample Date	25 Sep 2023	17 Mar 2022	---	---
Machine Hours	592	592	---	---
Oil Hours	592	592	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.7	12.9	---	---
Base Number (BN)	mg KOH/g	9.9	6.5	---	---
Oxidation (PA)	%	81	45	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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

Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	64	59	---	---
Sulfation (PA)	%	59	51	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	15	---	---
Sodium	ppm	2	4	---	---
Potassium	ppm	8	5	---	---



WEAR METALS

Iron	ppm	15	21	---	---
Copper	ppm	6	26	---	---
Lead	ppm	1	4	---	---
Tin	ppm	1	3	---	---
Aluminum	ppm	4	7	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	44	3	---	---
Nickel	ppm	0	10	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	2	---	---
Manganese	ppm	<1	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1832	2279	---	---
Magnesium	ppm	538	301	---	---
Zinc	ppm	1231	1221	---	---
Phosphorus	ppm	965	1126	---	---
Barium	ppm	0	0	---	---
Boron	ppm	28	18	---	---

Depot: VOLVO0092
Unique No: 10669766
Signed: Wes Davis
Report Date: 29 Sep 2023



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GRAPHS

