



CONSTRUCTION EQUIPMENT

VOLVO EC220EL 314125 - DIESEL ENGINE



Sample No: VCP423886
Oil Type: DIESEL ENGINE OIL SAE 40
Job No:



117 - ASCENDUM MACHINERY INC - GREENVILLE
 2002 N GREENE ST
 GREENVILLE, NC
 US 27834
 Contact: GREG SUGGS

T: (252)754-5280
 F: (704)494-8197



SAMPLE INFORMATION

Sample Number	VCP423886	VCP0004984	---	---
Sample Date	03 May 2024	21 Nov 2022	---	---
Machine Hours	2689	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	12.6	12.8	---	---
Base Number (BN)	mg KOH/g	7.0	10.9	---	---
Oxidation (PA)	%	59	86	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.4	0.1	---	---
Nitration (PA)	%	56	67	---	---
Sulfation (PA)	%	56	63	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	14	---	---
Sodium	ppm	2	3	---	---
Potassium	ppm	3	1	---	---



WEAR METALS

Iron	ppm	25	62	---	---
Copper	ppm	3	3	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	2	---	---
Aluminum	ppm	3	5	---	---
Chromium	ppm	0	2	---	---
Molybdenum	ppm	77	37	---	---
Nickel	ppm	1	4	---	---
Titanium	ppm	2	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1246	1637	---	---
Magnesium	ppm	425	536	---	---
Zinc	ppm	1104	909	---	---
Phosphorus	ppm	943	742	---	---
Barium	ppm	0	0	---	---
Boron	ppm	382	43	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.
 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.

Depot: VOLVO8769
Unique No: 11050449
Signed: Wes Davis
Report Date: 30 May 2024



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GRAPHS

