



CONSTRUCTION EQUIPMENT

SW1033416-1 GYPSUM VOLVO EC220E 314241 - DIESEL ENGINE



Sample No: VCP399512
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW1033416-1 GYPSUM



SAMPLE INFORMATION

Sample Number	VCP399512	VCP312466	---	---
Sample Date	22 Apr 2024	15 Feb 2022	---	---
Machine Hours	7165	3237	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	14.0	14.4	---	---
Base Number (BN)	mg KOH/g	6.0	8.2	---	---
Oxidation (PA)	%	80	96	---	---

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 %	%	0.4	0.5	---	---
Nitration (PA)	%	118	95	---	---
Sulfation (PA)	%	69	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	6	---	---
Sodium	ppm	3	1	---	---
Potassium	ppm	0	0	---	---



WEAR METALS

Iron	ppm	19	15	---	---
Copper	ppm	1	1	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	1	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	14	38	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	2601	1733	---	---
Magnesium	ppm	103	471	---	---
Zinc	ppm	1131	1015	---	---
Phosphorus	ppm	966	838	---	---
Barium	ppm	0	0	---	---
Boron	ppm	13	24	---	---

Depot: VOLVO5856
Unique No: 11019688
Signed: Don Baldrige
Report Date: 11 May 2024



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GRAPHS

