



CONSTRUCTION EQUIPMENT

19014 BLUE RIDGE SAN VOLVO A25G 740351 - DIESEL ENGINE



Sample No: VCP05888273
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 19014 BLUE RIDGE SAN



SAMPLE INFORMATION

Sample Number	VCP05888273	VCP225500	---	---
Sample Date	26 Jun 2023	26 Mar 2019	---	---
Machine Hours	6581	1977	---	---
Oil Hours	3354	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.8	12.08	---	---
Base Number (BN)	mg KOH/g	4.5	---	---	---
Oxidation (PA)	%	101	57	---	---

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	%	---	0.136	---	---
Soot %	%	0.6	0.2	---	---
Nitration (PA)	%	92	57	---	---
Sulfation (PA)	%	77	50	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	8	4	---	---
Sodium	ppm	3	2	---	---
Potassium	ppm	5	2	---	---



WEAR METALS

Iron	ppm	40	5	---	---
Copper	ppm	3	<1	---	---
Lead	ppm	2	0	---	---
Tin	ppm	2	0	---	---
Aluminum	ppm	4	2	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	23	66	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	2	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1895	1196	---	---
Magnesium	ppm	230	1062	---	---
Zinc	ppm	1136	1189	---	---
Phosphorus	ppm	908	1033	---	---
Barium	ppm	0	0	---	---
Boron	ppm	39	6	---	---

Depot: VOLVO8769
Unique No: 10538756
Signed: Don Baldrige
Report Date: 04 Jul 2023



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GRAPHS

