



CONSTRUCTION EQUIPMENT

SWA633960 DOOSAN DL58 1010022 - DIESEL ENGINE



Sample No: VCP269511
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SWA633960



SAMPLE INFORMATION

Sample Number	VCP269511	---	---	---
Sample Date	11 Dec 2023	---	---	---
Machine Hours	353	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 5.8	---	---	---
Oxidation (PA)	%	65	---	---	---

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

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	79	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 19	---	---	---
Lead	ppm	█ 5	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 31	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2261	---	---	---
Magnesium	ppm	█ 30	---	---	---
Zinc	ppm	█ 1068	---	---	---
Phosphorus	ppm	█ 840	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 21	---	---	---

Depot: VOLVO5023
Unique No: 10805117
Signed: Wes Davis
Report Date: 27 Dec 2023



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GRAPHS

