



CONSTRUCTION EQUIPMENT

G08818 US SILICA VOLVO L220H 2545 - DIESEL ENGINE



Sample No: VCP453659
Oil Type: {unknown}
Job No: G08818 US SILICA



SAMPLE INFORMATION

Sample Number	VCP453659	---	---	---
Sample Date	23 May 2024	---	---	---
Machine Hours	19263	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	█ 4.8	---	---	---
Oxidation (PA)	%	52	---	---	---

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	---	---	---
Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	70	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 4	---	---	---



WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 4	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	5	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1993	---	---	---
Magnesium	ppm	█ 270	---	---	---
Zinc	ppm	█ 1131	---	---	---
Phosphorus	ppm	█ 979	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 8	---	---	---

Depot: VOLVO8880
Unique No: 11059515
Signed: Jonathan Hester
Report Date: 11 Jun 2024



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GRAPHS

