



CONSTRUCTION EQUIPMENT

SWO-063670 VOLVO A45G 340126 - DIESEL ENGINE



Sample No: VCP412707
Oil Type: NOT GIVEN
Job No: SWO-063670



SAMPLE INFORMATION

Sample Number	VCP412707	VCP351742	---	---
Sample Date	11 Jul 2023	04 Apr 2022	---	---
Machine Hours	8645	6123	---	---
Oil Hours	0	6123	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	11.3	---	---
Base Number (BN)	mg KOH/g	█ 9.8	█ 10.4	---	---
Oxidation (PA)	%	80	79	---	---

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 acceptable for the time in service.



CONTAMINATION

Soot %	%	█ 0.6	█ 0.7	---	---
Nitration (PA)	%	62	74	---	---
Sulfation (PA)	%	63	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.6	---	---
Silicon	ppm	█ 6	█ 7	---	---
Sodium	ppm	█ 12	▲ 185	---	---
Potassium	ppm	█ <1	█ 7	---	---



WEAR METALS

Iron	ppm	█ 12	█ 9	---	---
Copper	ppm	█ 1	█ 8	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 6	█ 6	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 37	█ 42	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1666	█ 1498	---	---
Magnesium	ppm	█ 503	█ 645	---	---
Zinc	ppm	█ 1086	█ 1129	---	---
Phosphorus	ppm	█ 879	█ 1025	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 36	█ 39	---	---

Depot: SAIBIR
Unique No: 10559727
Signed: Don Baldrige
Report Date: 17 Jul 2023



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GRAPHS

