



CONSTRUCTION EQUIPMENT

SW0066126 VOLVO A30G 752673 - DIESEL ENGINE



Sample No: VCP435437
Oil Type: DIESEL ENGINE OIL SAE 30
Job No: SWO066126



SAMPLE INFORMATION

Sample Number	VCP435437	VCP424708	VCP388274	---
Sample Date	27 Sep 2023	23 Jun 2023	02 Dec 2022	---
Machine Hours	1495	987	490	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 100°C	cSt	12.5	12.4	10.8	---
Base Number (BN)	mg KOH/g	9.5	9.7	7.7	---
Oxidation (PA)	%	76	79	61	---

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 %	%	0.3	0.3	0.3	---
Nitration (PA)	%	52	61	84	---
Sulfation (PA)	%	60	63	56	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.5	---
Silicon	ppm	7	11	28	---
Sodium	ppm	6	4	5	---
Potassium	ppm	4	2	38	---



WEAR METALS

Iron	ppm	10	12	54	---
Copper	ppm	26	116	6	---
Lead	ppm	1	2	<1	---
Tin	ppm	1	1	<1	---
Aluminum	ppm	<1	0	26	---
Chromium	ppm	<1	<1	2	---
Molybdenum	ppm	50	50	43	---
Nickel	ppm	<1	1	1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	<1	<1	<1	---
Manganese	ppm	2	2	<1	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	1906	1749	1728	---
Magnesium	ppm	577	461	528	---
Zinc	ppm	1284	1137	923	---
Phosphorus	ppm	1077	946	725	---
Barium	ppm	0	<1	0	---
Boron	ppm	66	58	20	---

Depot: SAIBIR
Unique No: 10672669
Signed: Don Baldrige
Report Date: 03 Oct 2023



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GRAPHS

