



CONSTRUCTION EQUIPMENT

9447 VOLVO A30G 752728 - DIESEL ENGINE



Sample No: VCP408914
Oil Type: CHEVRON 15W40
Job No: 9447



SAMPLE INFORMATION

Sample Number	VCP408914	VCP402372	VCP390122	---
Sample Date	09 Aug 2023	18 Apr 2023	17 Nov 2022	---
Machine Hours	1471	1032	511	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	MARGINAL	ABNORMAL	---

GAINES & CO
 112 WESTMINISTER RD
 REISTERSTOWN, MD
 US 21136
 Contact: MICHAEL GLADFELTER

OIL CONDITION

Visc @ 100°C	cSt	12.5	12.3	10.5	---
Base Number (BN)	mg KOH/g	7.1	7.2	7.2	---
Oxidation (PA)	%	60	63	63	---

T: (410)833-9833
 F: (410)833-9822

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

Soot %	%	0.3	0.3	0.3	---
Nitration (PA)	%	55	61	88	---
Sulfation (PA)	%	58	62	58	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	0.3	0.5	---
Silicon	ppm	5	8	40	---
Sodium	ppm	1	<1	2	---
Potassium	ppm	<1	2	4	---

WEAR METALS

Iron	ppm	10	20	36	---
Copper	ppm	13	69	277	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	1	3	---
Aluminum	ppm	<1	0	3	---
Chromium	ppm	0	<1	1	---
Molybdenum	ppm	89	82	82	---
Nickel	ppm	<1	6	5	---
Titanium	ppm	<1	2	0	---
Silver	ppm	0	<1	2	---
Manganese	ppm	<1	1	4	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	1529	1443	2158	---
Magnesium	ppm	465	414	98	---
Zinc	ppm	1299	1205	1174	---
Phosphorus	ppm	1062	1002	992	---
Barium	ppm	0	0	0	---
Boron	ppm	403	305	45	---

Depot: GAICOC
Unique No: 10603847
Signed: Wes Davis
Report Date: 15 Aug 2023



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GRAPHS

