



CONSTRUCTION EQUIPMENT

VOLVO A30G 752905 - DIESEL ENGINE



Sample No: VCP414670
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP414670	VCP424507	VCP397487	---
Sample Date	11 Sep 2023	13 Jun 2023	22 Feb 2023	---
Machine Hours	1802	1294	537	---
Oil Hours	0	500	500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ABNORMAL	ABNORMAL	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
PMServices@ripaconstruction.com
T:
F:



OIL CONDITION

Visc @ 100°C	cSt	12.5	12.7	▲ 10.6	---
Base Number (BN)	mg KOH/g	9.6	7.3	5.7	---
Oxidation (PA)	%	82	84	60	---

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 %	%	0.2	1	0.7	---
Nitration (PA)	%	68	92	88	---
Sulfation (PA)	%	60	67	59	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.5	---
Silicon	ppm	6	9	▲ 64	---
Sodium	ppm	3	2	<1	---
Potassium	ppm	<1	1	5	---



WEAR METALS

Iron	ppm	4	25	45	---
Copper	ppm	1	▲ 104	▲ 382	---
Lead	ppm	<1	2	<1	---
Tin	ppm	<1	2	4	---
Aluminum	ppm	1	3	4	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	46	50	92	---
Nickel	ppm	<1	1	2	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	<1	2	7	---
Vanadium	ppm	<1	<1	<1	---



ADDITIVES

Calcium	ppm	1839	1722	2354	---
Magnesium	ppm	555	395	17	---
Zinc	ppm	1225	1035	1201	---
Phosphorus	ppm	1006	834	1027	---
Barium	ppm	0	0	2	---
Boron	ppm	33	15	20	---

Depot: RIPTAM
Unique No: 10675077
Signed: Wes Davis
Report Date: 04 Oct 2023



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GRAPHS

