



CONSTRUCTION EQUIPMENT

10998 VOLVO A30D 12131 - DIESEL ENGINE



Sample No: VCP412357
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 10998



SAMPLE INFORMATION

Sample Number	VCP412357	VCP378626	VCP348522	VCP285557
Sample Date	27 Aug 2023	08 Aug 2022	28 Jan 2022	22 Sep 2020
Machine Hours	11023	10705	10505	10330
Oil Hours	0	250	250	250
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

JAMES J ANDERSON
 6958 TORRESDALE AVENUE
 PHILADELPHIA, PA
 US 19135
 Contact: JOHN HERBUT
 herb@jjaconstruction.com
 T: (215)850-9051
 F: (215)427-0208

OIL CONDITION

Visc @ 100°C	cSt	11.9	12.2	12.4	12.6
Base Number (BN)	mg KOH/g	9.1	11.1	10.9	---
Oxidation (PA)	%	62	78	81	76

CONTAMINATION

Soot %	%	0.5	0.2	0.2	0.1
Nitration (PA)	%	58	54	56	48
Sulfation (PA)	%	55	62	64	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	2.8	<1.0	<1.0	<1.0
Silicon	ppm	5	4	4	5
Sodium	ppm	<1	2	<1	2
Potassium	ppm	<1	<1	0	0

WEAR METALS

Iron	ppm	8	5	4	3
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	<1	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	1	<1	<1	1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	30	45	36	36
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	1	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	1767	1571	1688	1647
Magnesium	ppm	331	483	528	532
Zinc	ppm	1032	1023	998	994
Phosphorus	ppm	860	838	894	882
Barium	ppm	0	<1	0	0
Boron	ppm	37	81	66	61

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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.

Depot: JAAPHI
Unique No: 10630063
Signed: Wes Davis
Report Date: 01 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

