



CONSTRUCTION EQUIPMENT

VOLVO A45G 353298 - DIESEL ENGINE



Sample No: VCP397547
Oil Type: MOBIL DELVAC 1300 SUPER 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP397547	VCP409193	VCP409137	VCP399778
Sample Date	14 May 2024	11 Mar 2024	21 Nov 2023	18 Sep 2023
Machine Hours	2687	2429	2027	1722
Oil Hours	0	0	300	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

DUNN CONSTRUCTION INC
 318 N 14TH ST
 BELLEVUE, IA
 US 52031
 Contact: STEVE DUNN
 DUNNCONSTRUCTINC@GMAIL.COM
 T:
 F:



OIL CONDITION

Visc @ 100°C	cSt	13.0	13.0	12.9	12.6
Base Number (BN)	mg KOH/g	7.7	7.6	8.5	8.1
Oxidation (PA)	%	63	62	63	63

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

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.4	0.3	0.3
Nitration (PA)	%	82	83	72	77
Sulfation (PA)	%	55	57	55	56
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	5	5	5
Sodium	ppm	2	2	2	2
Potassium	ppm	4	3	2	4



WEAR METALS

Iron	ppm	6	7	7	8
Copper	ppm	4	1	<1	3
Lead	ppm	2	<1	0	<1
Tin	ppm	<1	1	0	<1
Aluminum	ppm	3	3	1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	56	11	13	13
Nickel	ppm	2	3	▲ 6	3
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	0
Vanadium	ppm	<1	<1	0	<1



ADDITIVES

Calcium	ppm	1577	1434	1373	1400
Magnesium	ppm	705	641	614	612
Zinc	ppm	968	848	851	846
Phosphorus	ppm	825	743	749	714
Barium	ppm	0	0	0	<1
Boron	ppm	70	64	55	40

Depot: DUNBEL
Unique No: 11097239
Signed: Wes Davis
Report Date: 25 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

