



CONSTRUCTION EQUIPMENT

VOLVO A45G 352040 - DIESEL ENGINE



Sample No: VCP4200729
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP4200729	---	---	---
Sample Date	22 Aug 2023	---	---	---
Machine Hours	6386	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

THE GW VAN KEPPEL COMPANY
 8233 WEST RENO
 OKLAHOMA CITY, OK
 US 73127
 Contact: ZACHARY BOWDISH
 zbowdish@vankeppel.com
 T: (405)495-0606
 F: (405)495-7603



OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	49	---	---	---

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	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	48	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ 23	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 63	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1155	---	---	---
Magnesium	ppm	█ 973	---	---	---
Zinc	ppm	█ 1247	---	---	---
Phosphorus	ppm	█ 1041	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 8	---	---	---

Depot: VOLVO0052
Unique No: 10621107
Signed: Don Baldrige
Report Date: 28 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

