



CONSTRUCTION EQUIPMENT

SWO132466 VOLVO L70H 624910 - DIESEL ENGINE



Sample No: VCP419538
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWO132466



SAMPLE INFORMATION

Sample Number	VCP419538	---	---	---
Sample Date	15 Jul 2023	---	---	---
Machine Hours	970	---	---	---
Oil Hours	500	---	---	---
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	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 9.8	---	---	---
Oxidation (PA)	%	77	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 17	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 17	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 42	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1636	---	---	---
Magnesium	ppm	█ 515	---	---	---
Zinc	ppm	█ 1108	---	---	---
Phosphorus	ppm	█ 908	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 50	---	---	---

Depot: VOLVO0052
Unique No: 10751275
Signed: Wes Davis
Report Date: 21 Nov 2023



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GRAPHS

