



CONSTRUCTION EQUIPMENT

702733 RITCHIE VOLVO L90H 627965 - DIESEL ENGINE



Sample No: VCP449792
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 702733 RITCHIE



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SAMPLE INFORMATION

Sample Number	VCP449792	---	---	---
Sample Date	23 Apr 2024	---	---	---
Machine Hours	697	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 12.5	---	---	---
Base Number (BN)	mg KOH/g	█ 9.8	---	---	---
Oxidation (PA)	%	73	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 23	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 44	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1470	---	---	---
Magnesium	ppm	█ 621	---	---	---
Zinc	ppm	█ 1094	---	---	---
Phosphorus	ppm	█ 898	---	---	---
Barium	ppm	█ 4	---	---	---
Boron	ppm	█ 42	---	---	---

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.

Depot: VOLVO0096
Unique No: 10996699
Signed: Wes Davis
Report Date: 29 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

