



CONSTRUCTION EQUIPMENT

SPM700301 LKQ VOLVO L90H 625661 - DIESEL ENGINE



Sample No: VCP437361
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM700301 LKQ



ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
DAVE.ENG@ALTG.COM
T: (312)350-2560
F:



SAMPLE INFORMATION

Sample Number	VCP437361	VCP421635	---	---
Sample Date	08 Apr 2024	01 Sep 2023	---	---
Machine Hours	6699	5645	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	13.6	13.1	---	---
Base Number (BN)	mg KOH/g	7.5	7.7	---	---
Oxidation (PA)	%	75	70	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.4	0.6	---	---
Nitration (PA)	%	74	73	---	---
Sulfation (PA)	%	61	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	3	5	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	<1	0	---	---



WEAR METALS

Iron	ppm	8	13	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	6	6	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	126	117	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1543	1639	---	---
Magnesium	ppm	660	555	---	---
Zinc	ppm	1151	1114	---	---
Phosphorus	ppm	982	888	---	---
Barium	ppm	0	0	---	---
Boron	ppm	184	193	---	---

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.

Depot: VOLVO8885
Unique No: 10977073
Signed: Wes Davis
Report Date: 15 Apr 2024



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GRAPHS

