



# CONSTRUCTION EQUIPMENT

580967 PRINCE VOLVO L90H 626297 - DIESEL ENGINE



Sample No: VCP412624

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No: 580967 PRINCE



## SAMPLE INFORMATION

Sample Number	VCP412624	VCP394018	VCP370720	---
Sample Date	21 Jul 2023	20 Feb 2023	18 Oct 2022	---
Machine Hours	1785	1172	582	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



## OIL CONDITION

Visc @ 100°C	cSt	13.1	13.3	12.8	---
Base Number (BN)	mg KOH/g	10.3	7.7	11.2	---
Oxidation (PA)	%	81	47	81	---



## CONTAMINATION

Soot %	%	0.4	0.1	0.3	---
Nitration (PA)	%	59	47	63	---
Sulfation (PA)	%	61	47	65	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	7	17	---
Sodium	ppm	3	4	2	---
Potassium	ppm	0	0	0	---



## WEAR METALS

Iron	ppm	15	15	23	---
Copper	ppm	<1	2	7	---
Lead	ppm	0	<1	0	---
Tin	ppm	<1	1	3	---
Aluminum	ppm	3	4	7	---
Chromium	ppm	<1	<1	2	---
Molybdenum	ppm	46	44	47	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	4	---
Vanadium	ppm	<1	0	<1	---



## ADDITIVES

Calcium	ppm	1814	1693	1598	---
Magnesium	ppm	565	534	572	---
Zinc	ppm	1154	1095	1105	---
Phosphorus	ppm	964	908	858	---
Barium	ppm	0	0	0	---
Boron	ppm	39	41	62	---



ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC

9601 BOGGY CREEK RD

ORLANDO, FL

US 32824

Contact: Robert LaPlante

robert.laplante@altg.com

T: (407)508-9736

F: (407)659-8720

## 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.





## GRAPHS

