



CONSTRUCTION EQUIPMENT

SW-26481-2 AXIS VOLVO L70H 624268 - DIESEL ENGINE



Sample No: VCP412564
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-26481-2 AXIS



SAMPLE INFORMATION

Sample Number	VCP412564	VCP404704	---	---
Sample Date	10 Nov 2023	30 May 2023	---	---
Machine Hours	2110	1586	---	---
Oil Hours	530	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ARNOLD MACHINERY COMPANY
 2975 WEST 2100 SOUTH
 SALT LAKE CITY, UT
 US 84119
 Contact: TJ LARK
 tlark@arnoldmachinery.com
 T: (801)972-4000
 F: (801)975-9434



OIL CONDITION

Visc @ 100°C	cSt	13.6	14.0	---	---
Base Number (BN)	mg KOH/g	9.9	7.8	---	---
Oxidation (PA)	%	58	65	---	---

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.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.7	0.5	---	---
Nitration (PA)	%	58	69	---	---
Sulfation (PA)	%	55	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	10	---	---
Sodium	ppm	0	1	---	---
Potassium	ppm	0	5	---	---



WEAR METALS

Iron	ppm	14	18	---	---
Copper	ppm	0	0	---	---
Lead	ppm	0	0	---	---
Tin	ppm	1	0	---	---
Aluminum	ppm	6	6	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	56	7	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1199	2239	---	---
Magnesium	ppm	919	95	---	---
Zinc	ppm	1314	1324	---	---
Phosphorus	ppm	1071	1013	---	---
Barium	ppm	0	0	---	---
Boron	ppm	14	140	---	---

Depot: VOLVO8770
Unique No: 10749769
Signed: Don Baldrige
Report Date: 20 Nov 2023



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GRAPHS

