



CONSTRUCTION EQUIPMENT

SW-22236-2 VOLVO L260H 1305 - DIESEL ENGINE



Sample No: VCP419492
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-22236-2



SAMPLE INFORMATION

Sample Number	VCP419492	VCP403226	VCP382613	---
Sample Date	11 Aug 2023	11 May 2023	22 Dec 2022	---
Machine Hours	2070	1490	900	---
Oil Hours	600	600	900	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ATTENTION	---

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	13.0	12.8	▲ 11.1	---
Base Number (BN)	mg KOH/g	8.1	7.1	5.3	---
Oxidation (PA)	%	64	65	71	---

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

Soot %	%	0.5	0.4	0.4	---
Nitration (PA)	%	68	70	89	---
Sulfation (PA)	%	57	58	66	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.5	---
Silicon	ppm	10	10	24	---
Sodium	ppm	3	5	4	---
Potassium	ppm	2	2	3	---



WEAR METALS

Iron	ppm	13	13	15	---
Copper	ppm	11	77	165	---
Lead	ppm	1	<1	4	---
Tin	ppm	1	1	4	---
Aluminum	ppm	3	1	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	63	70	81	---
Nickel	ppm	1	1	1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	1	1	3	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	1209	1204	2009	---
Magnesium	ppm	1000	915	116	---
Zinc	ppm	1269	1268	1199	---
Phosphorus	ppm	1027	1015	933	---
Barium	ppm	0	0	0	---
Boron	ppm	2	7	17	---

Depot: VOLVO8770
Unique No: 10608032
Signed: Sean Felton
Report Date: 21 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

