



CONSTRUCTION EQUIPMENT

SWA544244 VOLVO L220H 2543 - DIESEL ENGINE



Sample No: VCP447010
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA544244



SAMPLE INFORMATION

Sample Number	VCP447010	VCP413159	VCP178015	---
Sample Date	26 Apr 2024	14 Jul 2023	22 Sep 2017	---
Machine Hours	9248	8705	417	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

PREFERRED MATERIALS

4636 SCARBOROUGH DR
 LUTZ, FL
 US 33559
 Contact: Service Manager

OIL CONDITION

Visc @ 100°C	cSt	13.7	12.9	12.91	---
Base Number (BN)	mg KOH/g	9.5	10.3	---	---
Oxidation (PA)	%	56	84	60	---

T: (850)479-3004
 F:

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	NEG	---
Soot %	%	0.1	0.2	0	---
Nitration (PA)	%	49	62	42	---
Sulfation (PA)	%	51	62	50	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	4	8	---
Sodium	ppm	2	3	2	---
Potassium	ppm	2	8	0	---

WEAR METALS

Iron	ppm	7	4	3	---
Copper	ppm	2	2	3	---
Lead	ppm	1	<1	0	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	2	3	1	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	76	48	43	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	<1	<1	0	---

ADDITIVES

Calcium	ppm	1320	1781	1739	---
Magnesium	ppm	1247	533	541	---
Zinc	ppm	1583	1141	889	---
Phosphorus	ppm	1308	941	813	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	38	50	---

Depot: PRELUT
Unique No: 11004791
Signed: Don Baldrige
Report Date: 01 May 2024



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GRAPHS

