



CONSTRUCTION EQUIPMENT

SWA478932 OZINGA VOLVO L70G 614525 - DIESEL ENGINE



Sample No: VCP403063
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA478932 OZINGA



SAMPLE INFORMATION

Sample Number	VCP403063	VCP379721	VCP202072	---
Sample Date	23 Feb 2024	11 Nov 2022	03 Oct 2016	---
Machine Hours	8286	7732	2592	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

ALTA EQUIPMENT COMPANY

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OIL CONDITION

Visc @ 100°C	cSt	14.6	14.2	14.00	---
Base Number (BN)	mg KOH/g	9.6	10.2	---	---
Oxidation (PA)	%	56	55	52	---

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 %	%	0.4	0.2	0.4	---
Nitration (PA)	%	55	57	67	---
Sulfation (PA)	%	51	52	53	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	10	8	---
Sodium	ppm	1	3	9	---
Potassium	ppm	2	2	3	---



WEAR METALS

Iron	ppm	15	7	22	---
Copper	ppm	2	<1	3	---
Lead	ppm	<1	<1	0	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	20	20	6	---
Chromium	ppm	2	<1	1	---
Molybdenum	ppm	58	67	48	---
Nickel	ppm	<1	2	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	<1	1	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	1008	1437	1294	---
Magnesium	ppm	829	689	780	---
Zinc	ppm	1164	1257	1010	---
Phosphorus	ppm	953	1039	787	---
Barium	ppm	1	0	0	---
Boron	ppm	6	19	12	---

Depot: VOLVO0095
Unique No: 10899666
Signed: Don Baldrige
Report Date: 28 Feb 2024



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GRAPHS

