



CONSTRUCTION EQUIPMENT

IMPACT AUTO 396256 VOLVO L90H 623565 - DIESEL ENGINE



Sample No: VCP430182
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 396256



SAMPLE INFORMATION

Sample Number	VCP430182	VCP084219	---	---
Sample Date	27 Feb 2024	29 Sep 2020	---	---
Machine Hours	12976	8010	---	---
Oil Hours	578	500	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

STRONGCO EQUIPMENT

54 IBER ROAD
 OTTAWA, ON
 CA K2S 1E8

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OIL CONDITION

Visc @ 100°C	cSt	13.1	13.8	---	---
Oxidation (PA)	%	82	88	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.3	0.3	---	---
Nitration (PA)	%	65	67	---	---
Sulfation (PA)	%	62	64	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	6	---	---
Sodium	ppm	3	2	---	---
Potassium	ppm	<1	<1	---	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	9	7	---	---
Copper	ppm	1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	4	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	41	43	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1732	1733	---	---
Magnesium	ppm	506	534	---	---
Zinc	ppm	1088	943	---	---
Phosphorus	ppm	959	822	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	38	32	---	---

Depot: SHESTI
Unique No: 5736641
Signed: Wes Davis
Report Date: 04 Mar 2024



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GRAPHS

