



CONSTRUCTION EQUIPMENT

376395 VOLVO L90H 625974 - DIESEL ENGINE



Sample No: VCP352624
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 376395



SAMPLE INFORMATION

Sample Number	VCP352624	VCP382326	VCP334102	---
Sample Date	25 Aug 2023	02 May 2023	29 Nov 2022	---
Machine Hours	3512	3000	2097	---
Oil Hours	500	1000	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

STRONGCO EQUIPMENT-EDMONTON

25616 117 Ave NW
 Acheson, AB
 CA T7X 6C2

Contact: Jonathan Morton
 jmorton@strongco.com
 T: (780)464-1909
 F: (780)464-0434



OIL CONDITION

Visc @ 100°C	cSt	13.2	13.4	13.0	---
Oxidation (PA)	%	81	85	84	---



CONTAMINATION

Soot %	%	0.2	0.3	0	---
Nitration (PA)	%	61	68	58	---
Sulfation (PA)	%	64	62	66	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	5	6	---
Sodium	ppm	3	3	3	---
Potassium	ppm	<1	<1	0	---

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	87	116	88	---
Copper	ppm	1	1	1	---
Lead	ppm	0	<1	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	3	4	3	---
Chromium	ppm	2	2	2	---
Molybdenum	ppm	42	45	39	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	2	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1678	1869	1749	---
Magnesium	ppm	545	544	497	---
Zinc	ppm	1088	1106	1096	---
Phosphorus	ppm	959	1012	977	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	33	32	39	---

Depot: VOLVO3908
Unique No: 5631807
Signed: Wes Davis
Report Date: 28 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

