



CONSTRUCTION EQUIPMENT

CARGILL 389044 VOLVO L120H 16705 - DIESEL ENGINE



Sample No: VCP392399
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 389044



SAMPLE INFORMATION

Sample Number	VCP392399	VCP334099	---	---
Sample Date	27 Dec 2023	21 Oct 2022	---	---
Machine Hours	2906	1294	---	---
Oil Hours	0	294	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

STRONGCO EQUIPMENT-EDMONTON

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OIL CONDITION

Visc @ 100°C	cSt	13.3	12.8	---	---
Oxidation (PA)	%	75	82	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.2	0	---	---
Nitration (PA)	%	55	53	---	---
Sulfation (PA)	%	60	65	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	5	8	---	---
Sodium	ppm	2	3	---	---
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	16	12	---	---
Copper	ppm	4	4	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	9	16	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	42	39	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	<1	<1	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1628	1649	---	---
Magnesium	ppm	524	526	---	---
Zinc	ppm	1091	1065	---	---
Phosphorus	ppm	921	1011	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	42	53	---	---

Depot: VOLVO3908
Unique No: 5708058
Signed: Wes Davis
Report Date: 08 Jan 2024



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GRAPHS

