



CONSTRUCTION EQUIPMENT

LAFARGE 1001-119 VOLVO L260H 1373 - DIESEL ENGINE



Sample No:	VCP380985
Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	1001-119



SAMPLE INFORMATION

Sample Number	VCP380985	VCP380059	---	---
Sample Date	15 Mar 2024	07 Dec 2023	---	---
Machine Hours	1578	1054	---	---
Oil Hours	500	1000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD
 MISSISSAUGA, ON
 CA L4W 4L4
 Contact: Janice Cripps
 jcripps@strongco.com
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OIL CONDITION

Visc @ 100°C	cSt	▲ 12.5	▲ 10.8	---	---
Oxidation (PA)	%	83	78	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	■ 0.2	■ 0.2	---	---
Nitration (PA)	%	66	85	---	---
Sulfation (PA)	%	64	65	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	■ 1.1	■ 1	---	---
Silicon	ppm	■ 5	■ 20	---	---
Sodium	ppm	■ 3	■ 4	---	---
Potassium	ppm	■ <1	■ 4	---	---



WEAR METALS

Iron	ppm	■ 12	■ 23	---	---
Copper	ppm	■ 25	■ 132	---	---
Lead	ppm	■ 0	■ 5	---	---
Tin	ppm	■ <1	■ 3	---	---
Aluminum	ppm	■ <1	■ 2	---	---
Chromium	ppm	■ 0	■ 0	---	---
Molybdenum	ppm	■ 44	■ 83	---	---
Nickel	ppm	▲ 4	■ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	■ 0	■ <1	---	---
Manganese	ppm	■ 0	■ 2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 1742	■ 2133	---	---
Magnesium	ppm	■ 465	■ 167	---	---
Zinc	ppm	■ 1083	■ 1189	---	---
Phosphorus	ppm	■ 911	■ 958	---	---
Barium	ppm	■ 0	■ <1	---	---
Boron	ppm	■ 29	■ 16	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. No other corrective action is recommended at this time. Nickel ppm levels are abnormal. Exhaust valve wear is indicated. Light fuel dilution occurring. No other contaminants were detected in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot:	SHEMIS
Unique No:	5749981
Signed:	Kevin Marson
Report Date:	28 Mar 2024



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GRAPHS

