



CONSTRUCTION EQUIPMENT

8000371607 VOLVO L120H 632169 - DIESEL ENGINE



Sample No: VCP379589
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 8000371607



SAMPLE INFORMATION

Sample Number	VCP379589	---	---	---
Sample Date	10 Jul 2023	---	---	---
Machine Hours	27824	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	NORMAL	---	---	---

STRONGCO EQUIPMENT

255 BAIG BOULEVARD
 MONCTON, NB
 CA E1E 1E1
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OIL CONDITION

Visc @ 100°C	cSt	█ 15.6	---	---	---
Oxidation (PA)	%	█ 106	---	---	---



CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	█ 115	---	---	---
Sulfation (PA)	%	█ 81	---	---	---
Glycol	%	█ 0.0	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 22	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 17	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 9	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	< 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	2708	---	---	---
Magnesium	ppm	50	---	---	---
Zinc	ppm	█ 1516	---	---	---
Phosphorus	ppm	1327	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 46	---	---	---

Depot: SHE255MON
Unique No: 5606667
Signed: Kevin Marson
Report Date: 14 Jul 2023



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GRAPHS

