



CONSTRUCTION EQUIPMENT

HUB EQUIPMENT 399824 VOLVO A30G 752252 - DIESEL ENGINE



Sample No: VCP393044
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 399824



SAMPLE INFORMATION

Sample Number	VCP393044	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	4017	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD
 MISSISSAUGA, ON
 CA L4W 4L4

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	---	---	---
Oxidation (PA)	%	█ 68	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.8	---	---	---
Nitration (PA)	%	█ 89	---	---	---
Sulfation (PA)	%	█ 66	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Nickel ppm levels are abnormal. Exhaust valve wear is indicated. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

Iron	ppm	█ 36	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 13	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 65	---	---	---
Nickel	ppm	▲ 5	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1175	---	---	---
Magnesium	ppm	1090	---	---	---
Zinc	ppm	█ 1346	---	---	---
Phosphorus	ppm	█ 1130	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 2	---	---	---

Depot: SHEMIS
Unique No: 5763046
Signed: Kevin Marson
Report Date: 18 Apr 2024



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GRAPHS

