



CONSTRUCTION EQUIPMENT

TRIPLE M METALS MLF-MAR19-029 VOLVO L220H 3566 - DIESEL ENGINE



Sample No: VCP430055
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: MLF-MAR19-029



SAMPLE INFORMATION

Sample Number	VCP430055	---	---	---
Sample Date	19 Mar 2024	---	---	---
Machine Hours	477	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT (CE)

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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.2	---	---	---
Oxidation (PA)	%	59	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0	---	---	---
Nitration (PA)	%	78	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	■ 0.0	---	---	---
Fuel	%	■ 0.7	---	---	---
Silicon	ppm	■ 20	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 2	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 12	---	---	---
Copper	ppm	■ 402	---	---	---
Lead	ppm	■ 10	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 85	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 2223	---	---	---
Magnesium	ppm	■ 35	---	---	---
Zinc	ppm	■ 1156	---	---	---
Phosphorus	ppm	■ 997	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 54	---	---	---

Depot: VOLV00252
Unique No: 5750021
Signed: Kevin Marson
Report Date: 28 Mar 2024



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GRAPHS

