



CONSTRUCTION EQUIPMENT

TRIPLE M 373002 VOLVO EC480E 315055 - DIESEL ENGINE



Sample No: VCP391690
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 373002



SAMPLE INFORMATION

Sample Number	VCP391690	---	---	---
Sample Date	21 Jul 2023	---	---	---
Machine Hours	664	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

STRONGCO EQUIPMENT (CE)

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OIL CONDITION

Visc @ 100°C	cSt	10.4	---	---	---
Oxidation (PA)	%	75	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	83	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.9	---	---	---
Silicon	ppm	29	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	4	---	---	---

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. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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	15	---	---	---
Copper	ppm	203	---	---	---
Lead	ppm	6	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	84	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	2089	---	---	---
Magnesium	ppm	124	---	---	---
Zinc	ppm	1162	---	---	---
Phosphorus	ppm	1048	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	18	---	---	---

Depot: VOLVO0252
Unique No: 5619224
Signed: Kevin Marson
Report Date: 08 Aug 2023



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GRAPHS

