



CONSTRUCTION EQUIPMENT

TRIPLE M 376790 VOLVO EC480E 315055 - DIESEL ENGINE



Sample No: VCP380148
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 376790



SAMPLE INFORMATION

Sample Number	VCP380148	VCP391690	---	---
Sample Date	05 Sep 2023	21 Jul 2023	---	---
Machine Hours	982	664	---	---
Oil Hours	500	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

STRONGCO EQUIPMENT (CE)

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OIL CONDITION

Visc @ 100°C	cSt	11.9	10.4	---	---
Oxidation (PA)	%	82	75	---	---

CONTAMINATION

Soot %	%	0	0	---	---
Nitration (PA)	%	58	83	---	---
Sulfation (PA)	%	64	62	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	0.9	0.9	---	---
Silicon	ppm	7	29	---	---
Sodium	ppm	2	4	---	---
Potassium	ppm	<1	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. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	6	15	---	---
Copper	ppm	111	203	---	---
Lead	ppm	3	6	---	---
Tin	ppm	<1	2	---	---
Aluminum	ppm	1	3	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	43	84	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	3	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1732	2089	---	---
Magnesium	ppm	476	124	---	---
Zinc	ppm	1071	1162	---	---
Phosphorus	ppm	973	1048	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	32	18	---	---

Depot: VOLVO0252
Unique No: 5644123
Signed: Bill Quesnel
Report Date: 19 Sep 2023



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GRAPHS

