



CONSTRUCTION EQUIPMENT

ARCHIBALD DRILLING 8000373408 VOLVO EC480EHR 391004 - DIESEL ENGINE



Sample No: VCP380283
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 8000373408



SAMPLE INFORMATION

Sample Number	VCP380283	---	---	---
Sample Date	26 Jul 2023	---	---	---
Machine Hours	959	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

STRONGCO EQUIPMENT INC.
55 ISNOR DRIVE, BURNSIDE INDUSTRIALPARK
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.2	---	---	---
Oxidation (PA)	%	█ 81	---	---	---

CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	█ 68	---	---	---
Sulfation (PA)	%	█ 62	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ 1.1	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Metal levels are typical for a new component breaking in. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 37	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 1701	---	---	---
Magnesium	ppm	█ 456	---	---	---
Zinc	ppm	█ 1012	---	---	---
Phosphorus	ppm	█ 943	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 42	---	---	---

Depot: SHEDAR
Unique No: 5618692
Signed: Wes Davis
Report Date: 03 Aug 2023



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GRAPHS

