



CONSTRUCTION EQUIPMENT

UTILEX CONTRACTING 315546 - DIESEL ENGINE



Sample No: VCP394790
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP394790	---	---	---
Sample Date	14 Aug 2023	---	---	---
Machine Hours	491	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

GREAT WEST EQUIPMENT
 1600 KOSMINA ROAD, 123 L&A CROSS RD
 VERNON, BC
 CA V1T 8T2
 Contact: Garry Beach
 gbeach@gwequipment.com
 T: (250)549-4232
 F: (250)549-3397



OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Oxidation (PA)	%	█ 46	---	---	---



CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	█ 56	---	---	---
Sulfation (PA)	%	█ 55	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 13	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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	█ 24	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 15	---	---	---
Nickel	ppm	█ 9	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 2414	---	---	---
Magnesium	ppm	█ 84	---	---	---
Zinc	ppm	█ 1061	---	---	---
Phosphorus	ppm	█ 980	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 4	---	---	---

Depot: MARVER
Unique No: 5628953
Signed: Wes Davis
Report Date: 15 Aug 2023



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GRAPHS

