



CONSTRUCTION EQUIPMENT

4949 214153 - DIESEL ENGINE



Sample No: VCP394946
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 4949



SAMPLE INFORMATION

Sample Number	VCP394946	VCP298145	---	---
Sample Date	10 Oct 2023	30 Jul 2021	---	---
Machine Hours	2981	1500	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

GREAT WEST EQUIPMENT
 1600 KOSMINA ROAD, 123 L&A CROSS RD
 VERNON, BC
 CA V1T 8T2
 Contact: Sarah Lawrence
 slawrence@gwequipment.com
 T: (866)627-2357
 F: (250)549-3397

OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	█ 13.5	---	---
Oxidation (PA)	%	█ 79	█ 50	---	---

CONTAMINATION

Soot %	%	█ 0.2	█ 0	---	---
Nitration (PA)	%	█ 56	█ 62	---	---
Sulfation (PA)	%	█ 61	█ 51	---	---
Glycol	%	█ NEG	█ NEG	---	---
Fuel	%	█ <1.0	█ <1.0	---	---
Silicon	ppm	█ 4	█ 4	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ 0	█ 2	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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	█ 8	█ 7	---	---
Copper	ppm	█ 2	█ 16	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 3	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 41	█ 9	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	█ 0	█ 0	---	---

ADDITIVES

Calcium	ppm	█ 1703	█ 2154	---	---
Magnesium	ppm	█ 505	█ 120	---	---
Zinc	ppm	█ 1093	█ 1020	---	---
Phosphorus	ppm	█ 926	█ 926	---	---
Barium	ppm	█ <1	█ 0	---	---
Boron	ppm	█ 40	█ 8	---	---

Depot: MARVER
Unique No: 5658987
Signed: Wes Davis
Report Date: 18 Oct 2023



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GRAPHS

