



CONSTRUCTION EQUIPMENT

5307 - DIESEL ENGINE



Sample No: VCP392494
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP392494	VCP298111	---	---
Sample Date	02 Apr 2024	28 Aug 2021	---	---
Machine Hours	13796	10039	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

GREAT WEST EQUIPMENT
 1600 KOSMINA ROAD, 123 L&A CROSS RD
 VERNON, BC
 CA V1T 8T2
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OIL CONDITION

Visc @ 100°C	cSt	12.3	12.7	---	---
Oxidation (PA)	%	84	80	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0	---	---
Nitration (PA)	%	63	62	---	---
Sulfation (PA)	%	63	63	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	2.8	---	---
Silicon	ppm	6	6	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	<1	1	---	---

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	7	6	---	---
Copper	ppm	3	<1	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	39	32	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1650	1520	---	---
Magnesium	ppm	488	541	---	---
Zinc	ppm	1043	1058	---	---
Phosphorus	ppm	871	922	---	---
Barium	ppm	0	0	---	---
Boron	ppm	41	26	---	---

Depot: MARVER
Unique No: 5763680
Signed: Wes Davis
Report Date: 22 Apr 2024



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GRAPHS

