



CONSTRUCTION EQUIPMENT

365811 VOLVO EW220E 12368279 - DIESEL ENGINE



Sample No: VC458399
Oil Type: BOSS LUBRICANTS BLUE RAM DIESEL 15W40
Job No: 365811



SAMPLE INFORMATION

Sample Number	VC458399	---	---	---
Sample Date	06 Jan 2024	---	---	---
Machine Hours	4841	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

CITY OF REGINA - FLEET SERVICES DEPT
 2476 VICTORIA AVENUE, BOX 1790
 REGINA, SK
 CA S4P 3C8
 Contact: Curtis Jors
 cjors@regina.ca
 T: (306)777-7674
 F: (306)777-6813



OIL CONDITION

Visc @ 100°C	cSt	█ 14.2	---	---	---
Oxidation (PA)	%	█ 60	---	---	---



CONTAMINATION

Water	%	█ NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	█ 68	---	---	---
Sulfation (PA)	%	█ 52	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 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	█ 4	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 80	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 1979	---	---	---
Magnesium	ppm	█ 241	---	---	---
Zinc	ppm	█ 1227	---	---	---
Phosphorus	ppm	█ 1074	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 53	---	---	---

Depot: CITREG
Unique No: 5720864
Signed: Wes Davis
Report Date: 30 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

