



CONSTRUCTION EQUIPMENT

VOLVO EW210D 27094 - TRANSMISSION (MANUAL)



Sample No: VCP201410
Oil Type: BOSS LUBRICANTS BLUE RAM DIESEL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP201410	---	---	---
Sample Date	15 May 2023	---	---	---
Machine Hours	4631	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
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 @ 40°C	cSt	46.9	---	---	---
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CONTAMINATION

Silicon	ppm	18	---	---	---
Sodium	ppm	25	---	---	---
Potassium	ppm	15	---	---	---



WEAR METALS

Iron	ppm	60	---	---	---
Copper	ppm	103	---	---	---
Lead	ppm	4	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	34	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	3283	---	---	---
Magnesium	ppm	18	---	---	---
Zinc	ppm	1171	---	---	---
Phosphorus	ppm	1145	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	11	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. Additive levels indicate the addition of a different brand, or type of fluid. Viscosity of sample indicates oil is within SAE 10W range, advise investigate. The condition of the fluid is acceptable for the time in service.

Depot: CITREG
Unique No: 5632455
Signed: Kevin Marson
Report Date: 30 Aug 2023

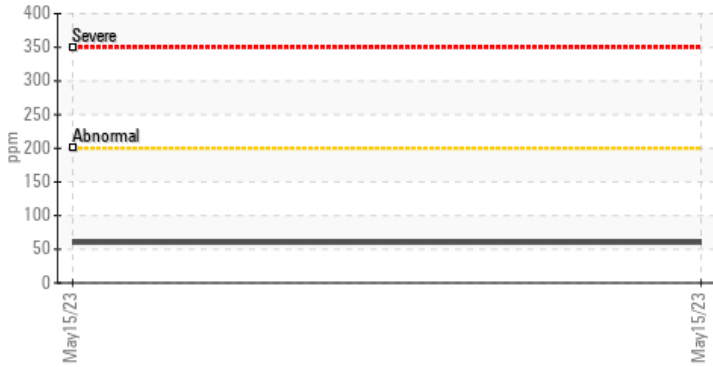


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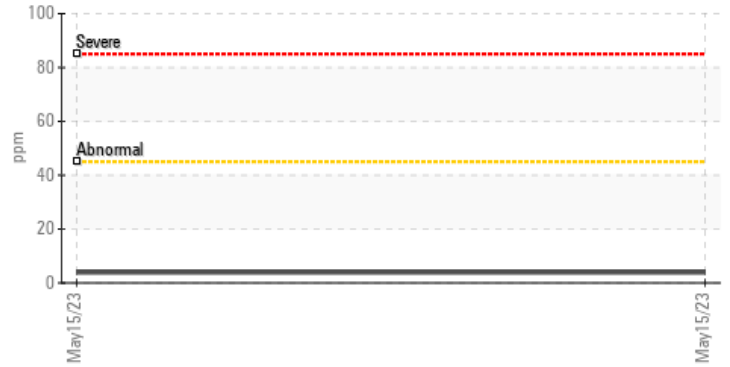


GRAPHS

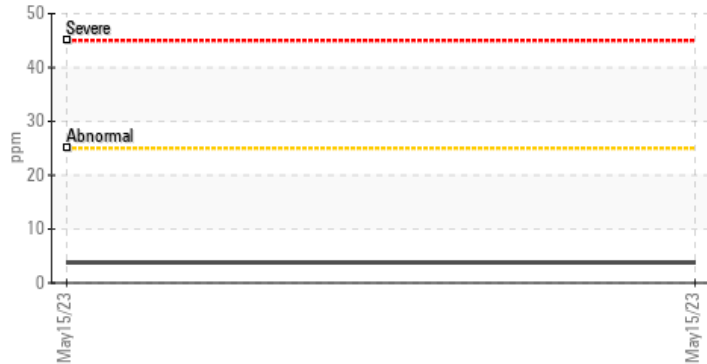
Iron (ppm)



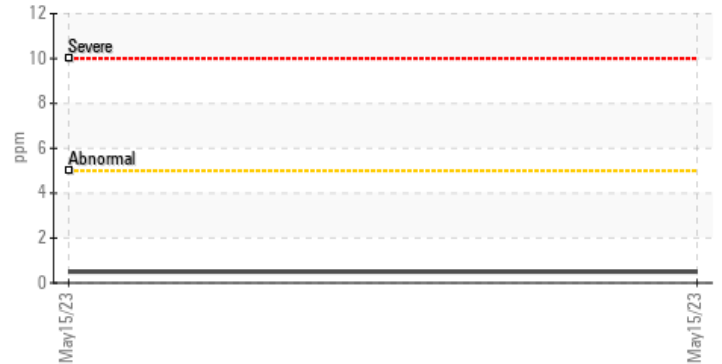
Lead (ppm)



Aluminum (ppm)



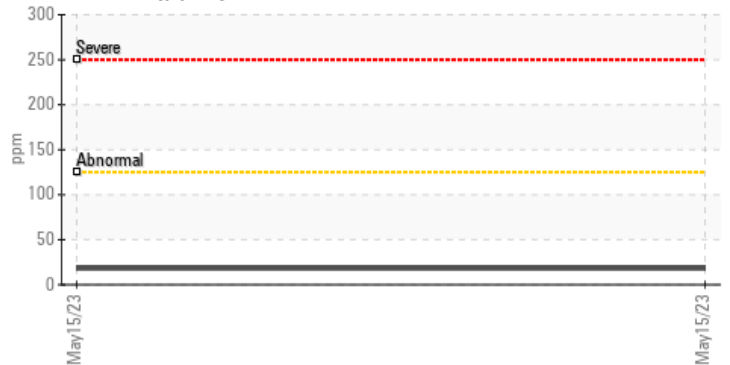
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

