



CONSTRUCTION EQUIPMENT

SW-23434-2 J&J EXC VOLVO EC220E 314436 - REAR RIGHT FINAL DRIVE



Sample No: VCP412519
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SW-23434-2 J&J EXC



SAMPLE INFORMATION

Sample Number	VCP412519	---	---	---
Sample Date	05 Sep 2023	---	---	---
Machine Hours	2201	---	---	---
Oil Hours	2201	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ARNOLD MACHINERY COMPANY
 2975 WEST 2100 SOUTH
 SALT LAKE CITY, UT
 US 84119
 Contact: TONY PAYAN
 tpayan@arnoldmachinery.com
 T: (801)972-4000
 F: (801)975-9434



OIL CONDITION

Visc @ 40°C	cSt	█ 168	---	---	---
-------------	-----	-------	-----	-----	-----



CONTAMINATION

Silicon	ppm	█ 246	---	---	---
Sodium	ppm	█ 9	---	---	---
Potassium	ppm	█ 19	---	---	---

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	█ 1215	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 48	---	---	---
Chromium	ppm	█ 13	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ 3	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 14	---	---	---
Vanadium	ppm	█ <1	---	---	---



ADDITIVES

Calcium	ppm	█ 88	---	---	---
Magnesium	ppm	█ 16	---	---	---
Zinc	ppm	█ 7	---	---	---
Phosphorus	ppm	█ 196	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

Depot: VOLVO8770
Unique No: 10645553
Signed: Jonathan Hester
Report Date: 15 Sep 2023

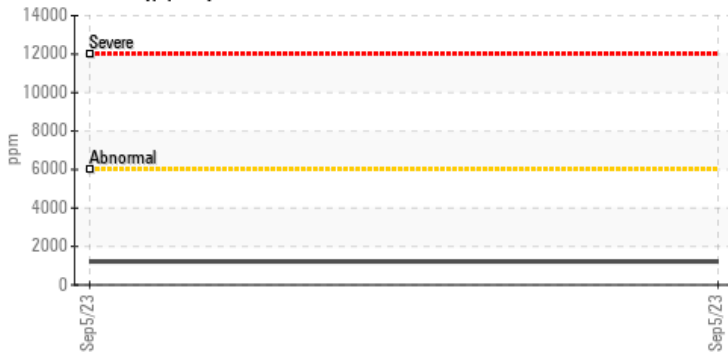


CONSTRUCTION EQUIPMENT

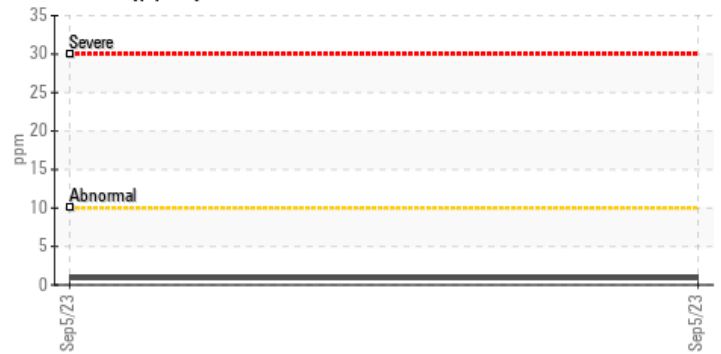


GRAPHS

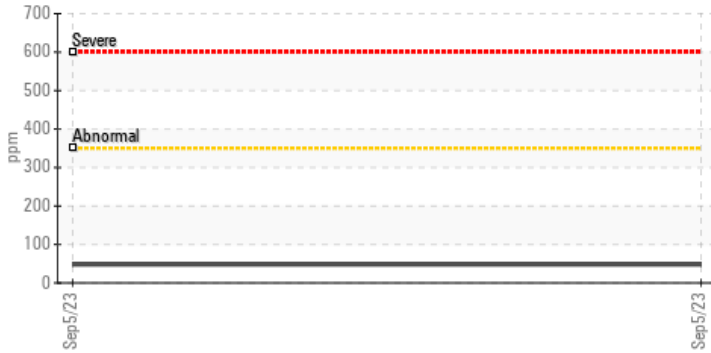
Iron (ppm)



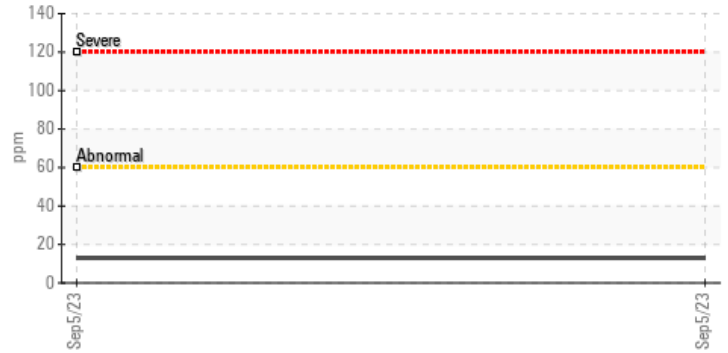
Lead (ppm)



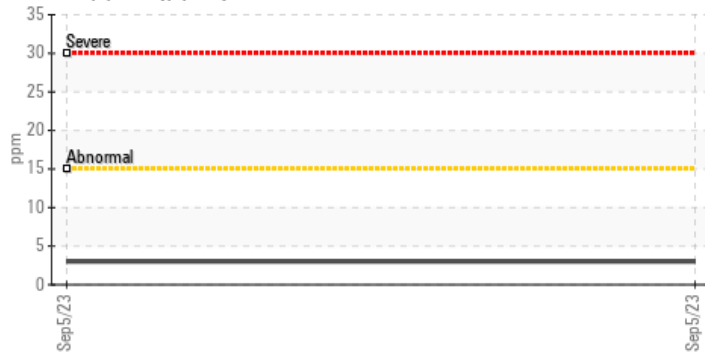
Aluminum (ppm)



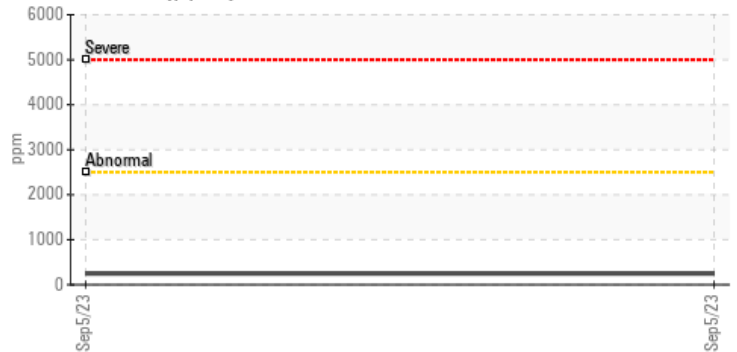
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

