



CONSTRUCTION EQUIPMENT

314074 - REAR LEFT FINAL DRIVE



Sample No: VCP265236
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP265236	---	---	---
Sample Date	30 Nov 2019	---	---	---
Machine Hours	550	---	---	---
Oil Hours	550	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Great West Equipment
 3830 Sharples Road
 Terrace, BC
 CA V8G 5P8
 Contact: Cody Isaacs
 cisaacs@gwequipment.com
 T: (250)635-9033
 F: (250)638-1895



OIL CONDITION

Visc @ 40°C	cSt	█ 176	---	---	---
-------------	-----	-------	-----	-----	-----



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 142	---	---	---
Sodium	ppm	█ 11	---	---	---
Potassium	ppm	█ 7	---	---	---



WEAR METALS

PQ		█ 469	---	---	---
Iron	ppm	█ 725	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 52	---	---	---
Chromium	ppm	█ 24	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	1	---	---	---
Titanium	ppm	4	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 11	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 24	---	---	---
Magnesium	ppm	█ 16	---	---	---
Zinc	ppm	█ 11	---	---	---
Phosphorus	ppm	397	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	2	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

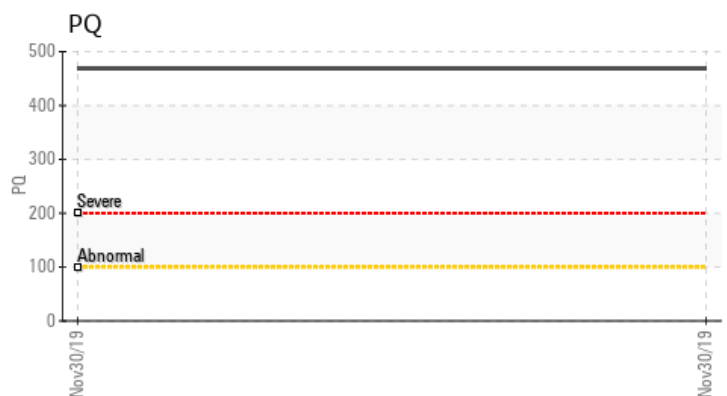
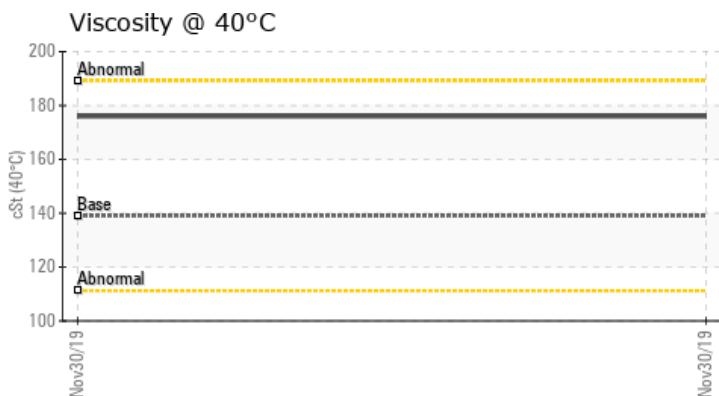
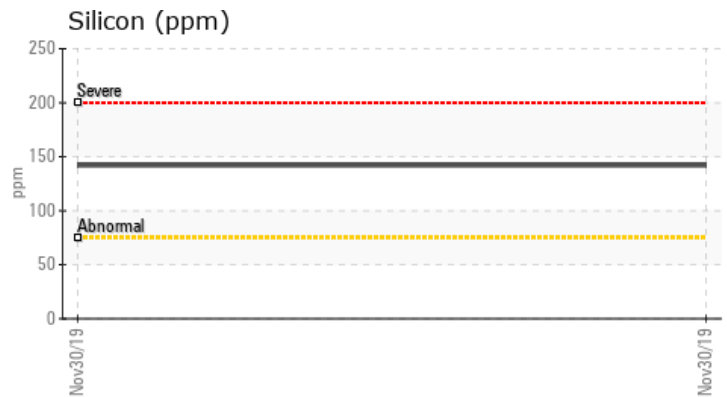
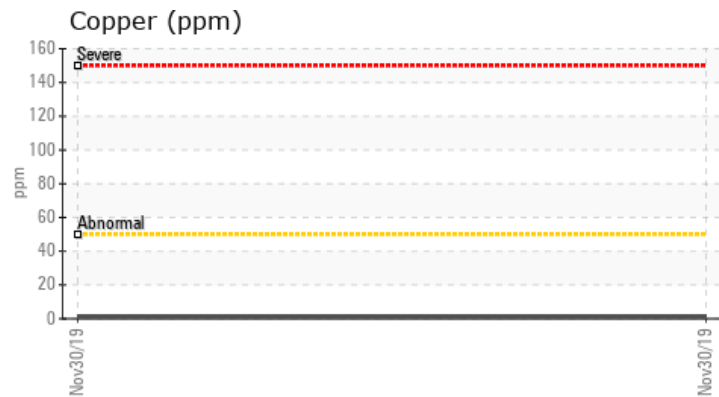
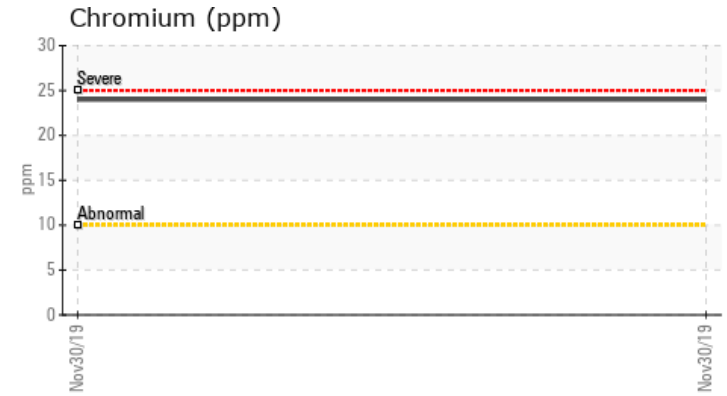
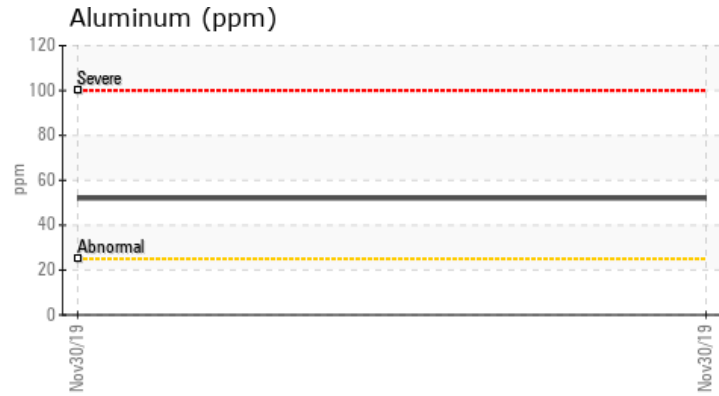
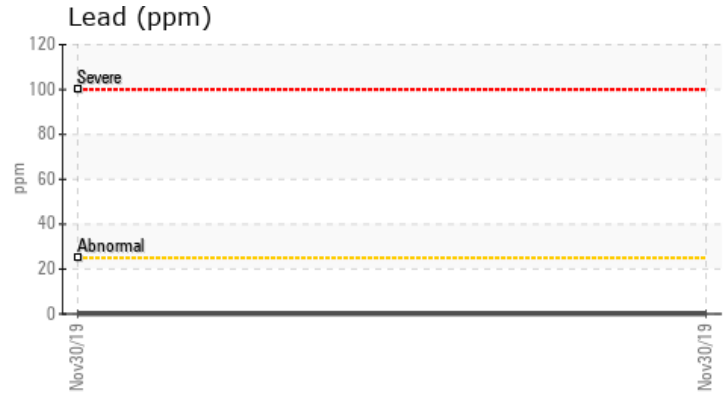
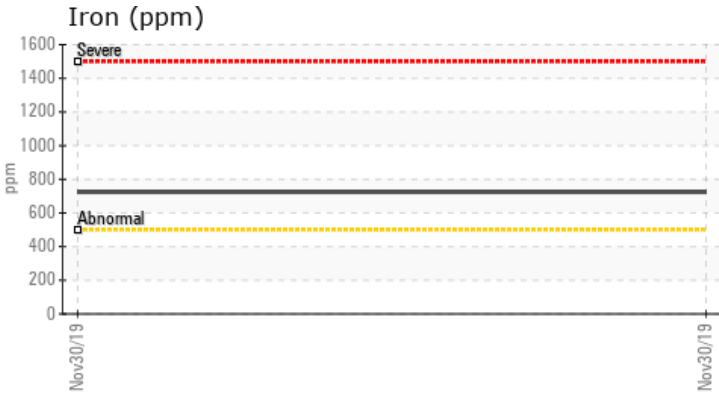
Depot: VOLVO0284
Unique No: 4992246
Signed: Kevin Marson
Report Date: 21 Jan 2020



CONSTRUCTION EQUIPMENT



GRAPHS





CONSTRUCTION EQUIPMENT

314074 - REAR RIGHT FINAL DRIVE



Sample No: VCP265014
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP265014	---	---	---
Sample Date	30 Nov 2019	---	---	---
Machine Hours	550	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Great West Equipment
 3830 Sharples Road
 Terrace, BC
 CA V8G 5P8
 Contact: Cody Isaacs
 cisaacs@gwequipment.com
 T: (250)635-9033
 F: (250)638-1895



OIL CONDITION

Visc @ 40°C	cSt	█ 178	---	---	---
-------------	-----	-------	-----	-----	-----



CONTAMINATION

Water	%	█ 0.044	---	---	---
Silicon	ppm	█ 126	---	---	---
Sodium	ppm	█ 10	---	---	---
Potassium	ppm	█ 6	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. The water content is negligible. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

PQ		█ 517	---	---	---
Iron	ppm	█ 763	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 45	---	---	---
Chromium	ppm	█ 24	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 4	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 11	---	---	---
Vanadium	ppm	█ <1	---	---	---



ADDITIVES

Calcium	ppm	█ 21	---	---	---
Magnesium	ppm	█ 14	---	---	---
Zinc	ppm	█ 11	---	---	---
Phosphorus	ppm	█ 385	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 2	---	---	---

Depot: VOLVO0284
Unique No: 4992249
Signed: Kevin Marson
Report Date: 21 Jan 2020



CONSTRUCTION EQUIPMENT



GRAPHS

