



CONSTRUCTION EQUIPMENT

60536 - BRAKE COOLING SYSTEM



Sample No: VCE243352
Oil Type: CONOCO PHILLIPS WET BRAKE
Job No:



SAMPLE INFORMATION

Sample Number	VCE243352	---	---	---
Sample Date	15 Mar 2014	---	---	---
Machine Hours	9405	---	---	---
Oil Hours	225	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

GREAT WEST EQUIPMENT

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 SURREY, BC
 CA V4N 3S4
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OIL CONDITION

Visc @ 40°C	cSt	▲ 56.1	---	---	---
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CONTAMINATION

Water	%	■ 0.045	---	---	---
Silicon	ppm	■ 10	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 1	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the component. Viscosity of sample indicates oil is within SAE 20 range, advise investigate. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 13	---	---	---
Copper	ppm	■ 60	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	2730	---	---	---
Magnesium	ppm	9	---	---	---
Zinc	ppm	1176	---	---	---
Phosphorus	ppm	943	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	73	---	---	---

Depot: MARSUR
Unique No: 3906061
Signed: Bill Quesnel
Report Date: 07 Apr 2014

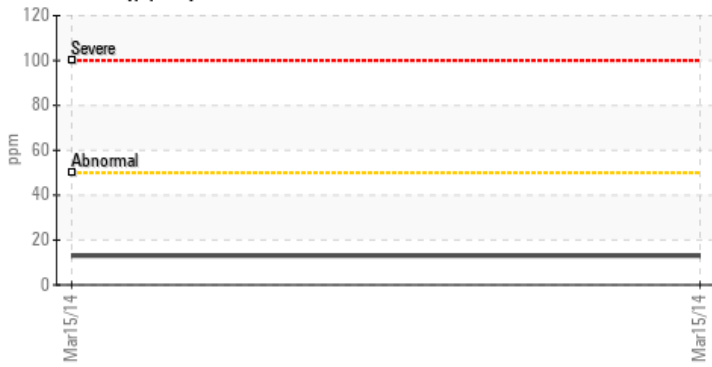


CONSTRUCTION EQUIPMENT



GRAPHS

Iron (ppm)



Lead (ppm)



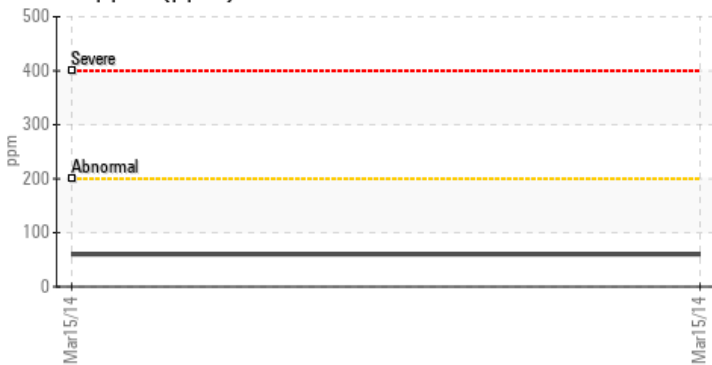
Aluminum (ppm)



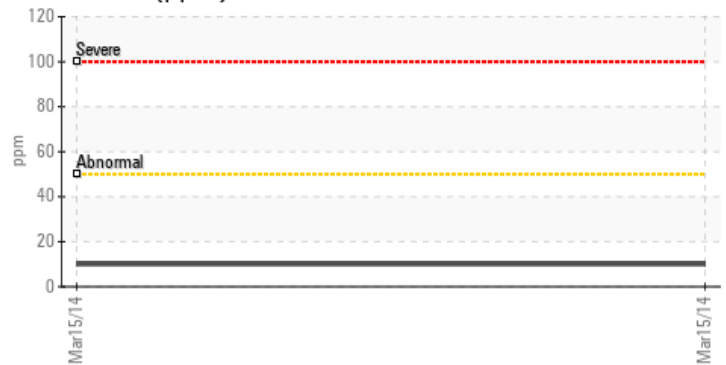
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



▲ Viscosity @ 40°C



Additives

