



CONSTRUCTION EQUIPMENT

8288 JOHNSON&HERBERT VOLVO A30G 742211 - DIESEL ENGINE



Sample No: PP530751
Oil Type: PETRO CANADA DURON UHP 0W40
Job No: 8288 JOHNSON&HERBERT



SAMPLE INFORMATION

Sample Number	PP530751	---	---	---
Sample Date	07 Jun 2019	---	---	---
Machine Hours	1016	---	---	---
Oil Hours	250	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT-EDMONTON

25616 117 Ave NW

Acheson, AB

CA T7X 6C2

Contact: Jonathan Morton

jmorton@strongco.com

T: (780)464-1909

F: (780)464-0434



OIL CONDITION

Visc @ 100°C	cSt	▲ 10.5	---	---	---
Oxidation (PA)	%	58	---	---	---



CONTAMINATION

Soot %	%	■ 0	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 3.4	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ <1	---	---	---

Diagnosis

Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 6	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 53	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1060	---	---	---
Magnesium	ppm	■ 842	---	---	---
Zinc	ppm	■ 1096	---	---	---
Phosphorus	ppm	■ 947	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 8	---	---	---

Depot: VOLVO3908

Unique No: 4888997

Signed: Kevin Marson

Report Date: 27 Jun 2019

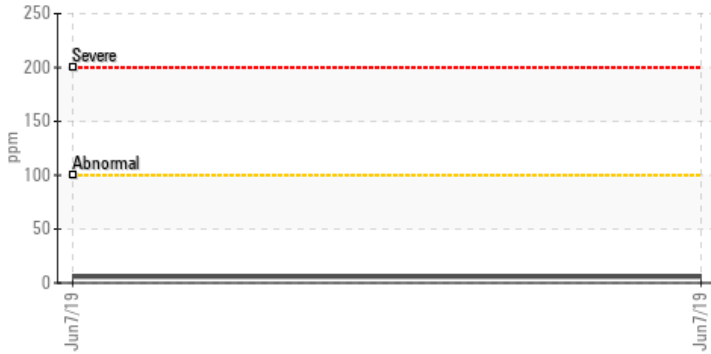


CONSTRUCTION EQUIPMENT

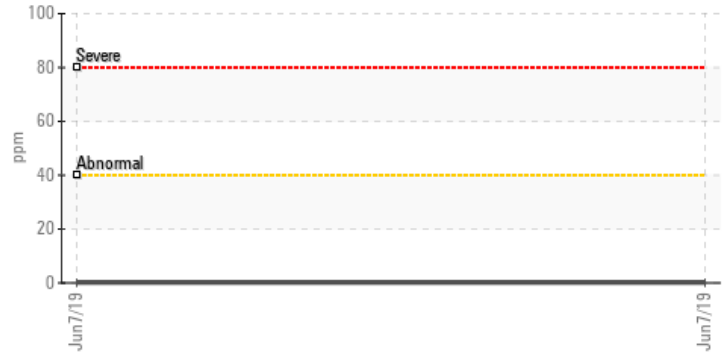


GRAPHS

Iron (ppm)



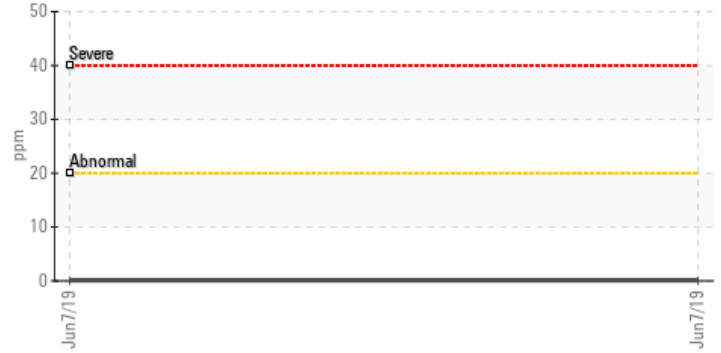
Lead (ppm)



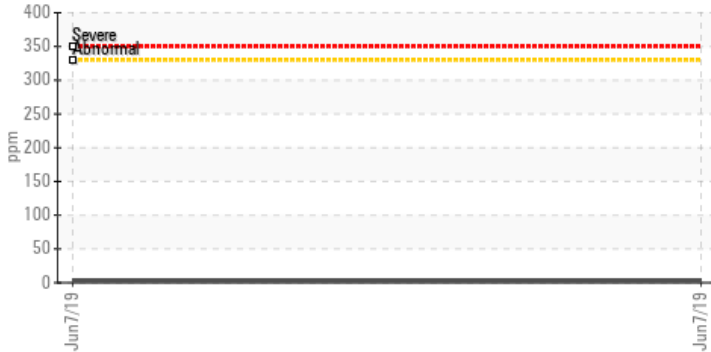
Aluminum (ppm)



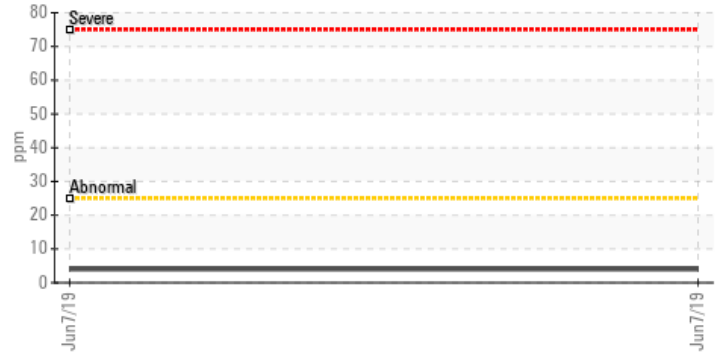
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



▲ Viscosity @ 100°C



Soot %

