



CONSTRUCTION EQUIPMENT

GCF925 VOLVO A45G 342347 - DIESEL ENGINE



Sample No: VCP281679
Oil Type: NOT GIVEN
Job No: GCF925



SAMPLE INFORMATION

Sample Number	VCP281679	---	---	---
Sample Date	09 Jul 2020	---	---	---
Machine Hours	4125	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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 jventura@arnoldmachinery.com
 T: (702)642-9000
 F:



OIL CONDITION

Visc @ 100°C	cSt	█ 14.9	---	---	---
Oxidation (PA)	%	█ 60	---	---	---



CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	█ 53	---	---	---
Sulfation (PA)	%	█ 57	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 0	---	---	---

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	█ 2	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 90	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 1830	---	---	---
Magnesium	ppm	█ 428	---	---	---
Zinc	ppm	█ 1186	---	---	---
Phosphorus	ppm	█ 1064	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 150	---	---	---

Depot: VOLVO5856
Unique No: 9102855
Signed: Don Baldrige
Report Date: 20 Jul 2020



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GRAPHS

Iron (ppm)



Lead (ppm)



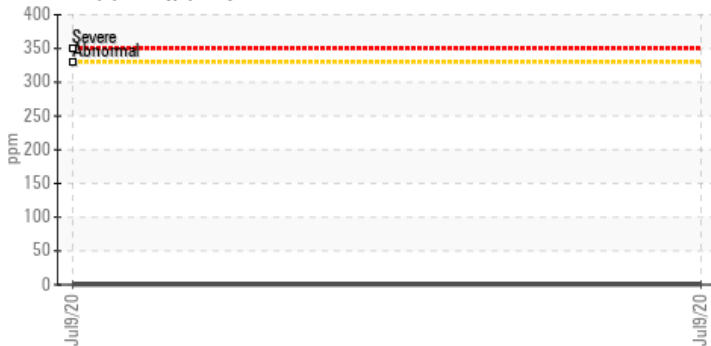
Aluminum (ppm)



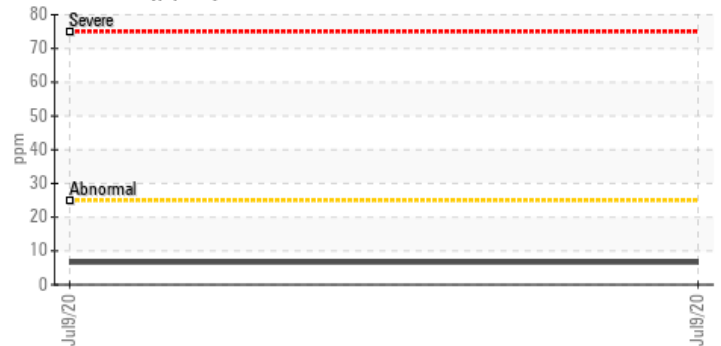
Chromium (ppm)



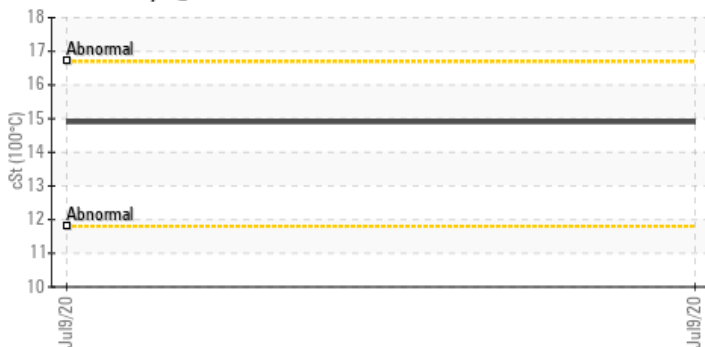
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Soot %

