CONSTRUCTION EQUIPMENT
VOLVO A25G 752596 - DIESEL ENGINE

Sample No: VCP0007384
Oil Type: DIESEL ENGINE OIL SAE 30
Job No:

ALTA EQUIPMENT COMPANY
8750 PHILIPS HWY
JACKSONVILLE, FL
US 32256
Contact: SHAWN NORTHCRAFT
shawn.northcraft@altg.com
T: (904)737-6000
F: (904)737-1260

SAMPLE INFORMATION

Sample Number		**VCP0007384**	---	---	---
Sample Date		**02 Oct 2023**	---	---	---
Machine Hours		**0**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**N/A**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	**11.0**	---	---	---
Base Number (BN)	mg KOH/g	**5.9**	---	---	---
Oxidation (PA)	%	**63**	---	---	---

CONTAMINATION

Soot %	%	**0.5**	---	---	---
Nitration (PA)	%	**86**	---	---	---
Sulfation (PA)	%	**59**	---	---	---
Glycol	%	**NEG**	---	---	---
Fuel	%	**0.5**	---	---	---
Silicon	ppm	**37**	---	---	---
Sodium	ppm	**5**	---	---	---
Potassium	ppm	**4**	---	---	---

WEAR METALS

Iron	ppm	**35**	---	---	---
Copper	ppm	**240**	---	---	---
Lead	ppm	**3**	---	---	---
Tin	ppm	**4**	---	---	---
Aluminum	ppm	**2**	---	---	---
Chromium	ppm	**<1**	---	---	---
Molybdenum	ppm	**84**	---	---	---
Nickel	ppm	**5**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**<1**	---	---	---
Manganese	ppm	**7**	---	---	---
Vanadium	ppm	**<1**	---	---	---

ADDITIVES

Calcium	ppm	**2181**	---	---	---
Magnesium	ppm	**191**	---	---	---
Zinc	ppm	**1278**	---	---	---
Phosphorus	ppm	**1045**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**8**	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

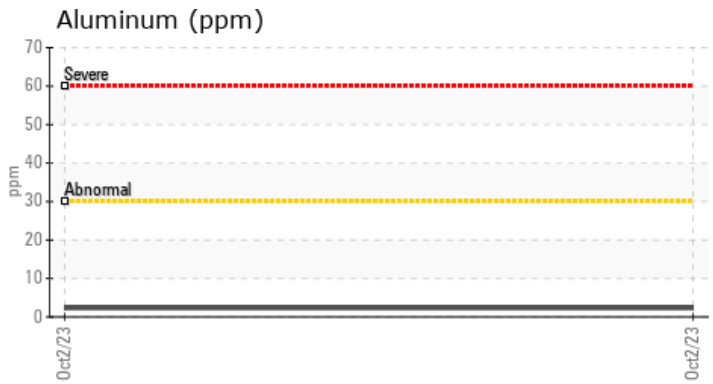
Depot: VOLVO0092
Unique No: 10675099
Signed: Don Baldridge
Report Date: 06 Oct 2023

GRAPHS

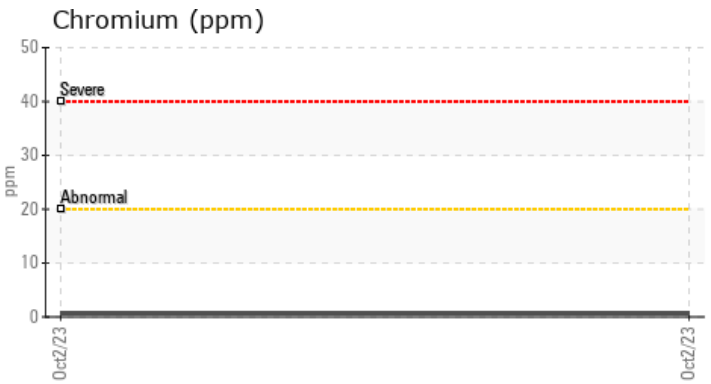
Iron (ppm)

Lead (ppm)

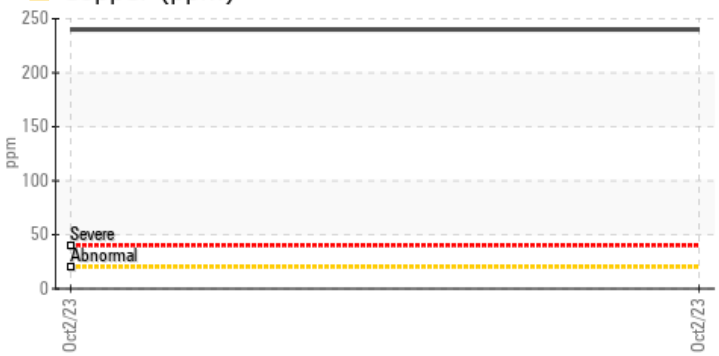
Aluminum (ppm)



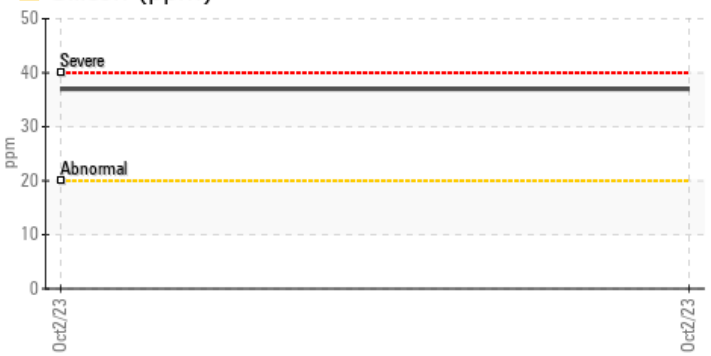
Chromium (ppm)



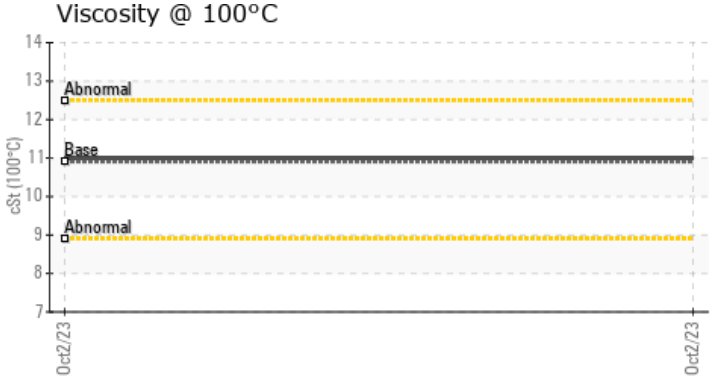
▲ Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 100°C



Base Number