



CONSTRUCTION EQUIPMENT

RANGO VOLVO A60H 340071 - TRANSMISSION



Sample No: VCP382258
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: RANGO



SAMPLE INFORMATION

Sample Number	VCP382258	---	---	---
Sample Date	02 May 2024	---	---	---
Machine Hours	9449	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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 PHOENIX, AZ
 US 85040
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 jzayes@arnoldmachinery.com
 T: (602)414-1900
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OIL CONDITION

Visc @ 40°C	cSt	█ 90.3	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 5	---	---	---



WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 5	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	█ 80	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 1	---	---	---



ADDITIVES

Calcium	ppm	█ 1654	---	---	---
Magnesium	ppm	█ 412	---	---	---
Zinc	ppm	█ 1140	---	---	---
Phosphorus	ppm	█ 1080	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 206	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO6174
Unique No: 11020489
Signed: Don Baldrige
Report Date: 13 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

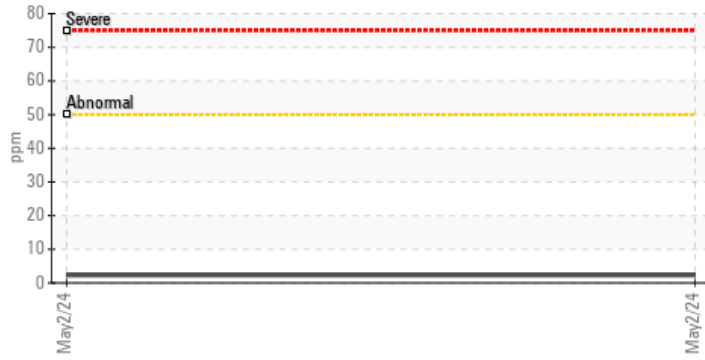
Iron (ppm)



Lead (ppm)



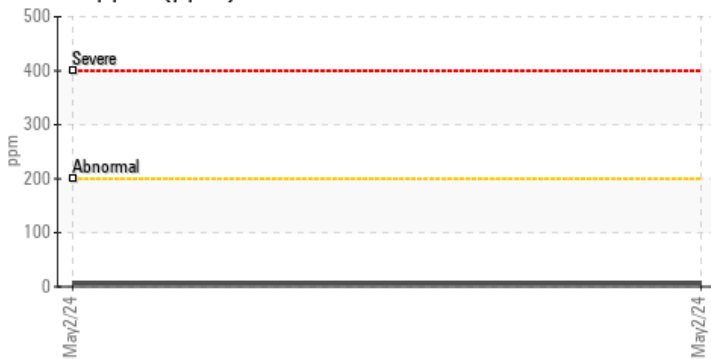
Aluminum (ppm)



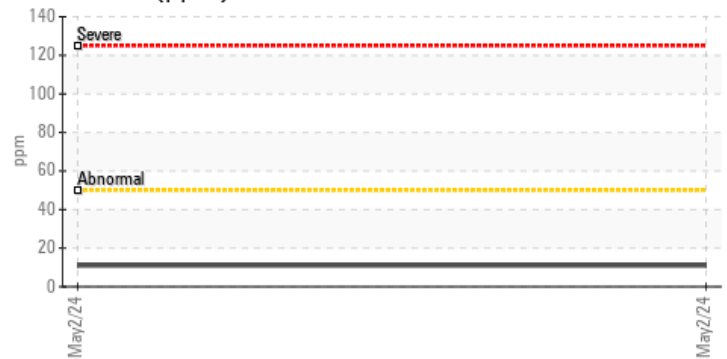
Chromium (ppm)



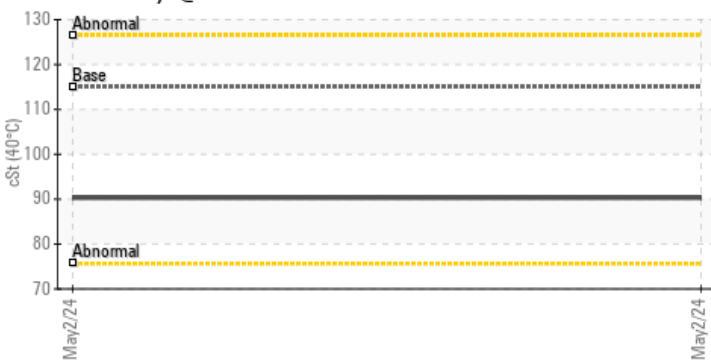
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

