



CONSTRUCTION EQUIPMENT

VULCAN VOLVO A40G 352007 - WET DISC BRAKE



Sample No: VCP430391

Oil Type: {unknown}

Job No: VULCAN



SAMPLE INFORMATION

Sample Number	VCP430391	---	---	---
Sample Date	01 May 2024	---	---	---
Machine Hours	7553	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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 LAVERGNE, TN
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OIL CONDITION

Visc @ 40°C	cSt	█ 42.8	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 27	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Bearing and/or gear wear is indicated. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 126	---	---	---
Copper	ppm	▲ 270	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	█ 9	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	5016	---	---	---
Magnesium	ppm	13	---	---	---
Zinc	ppm	2068	---	---	---
Phosphorus	ppm	1932	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	198	---	---	---

Depot: VOLVO0129
Unique No: 11009476
Signed: Don Baldrige
Report Date: 07 May 2024

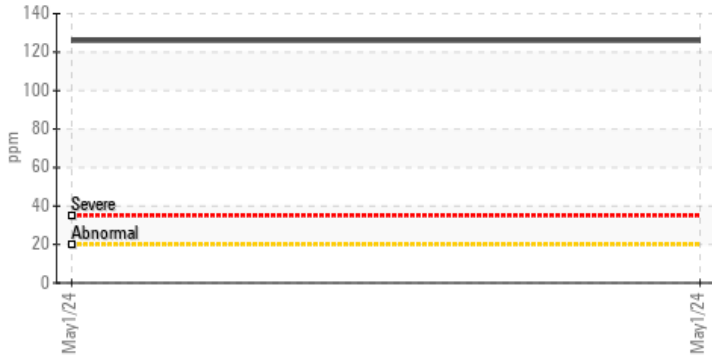


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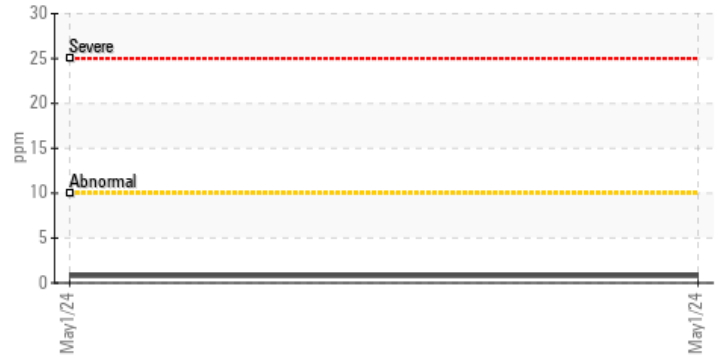


GRAPHS

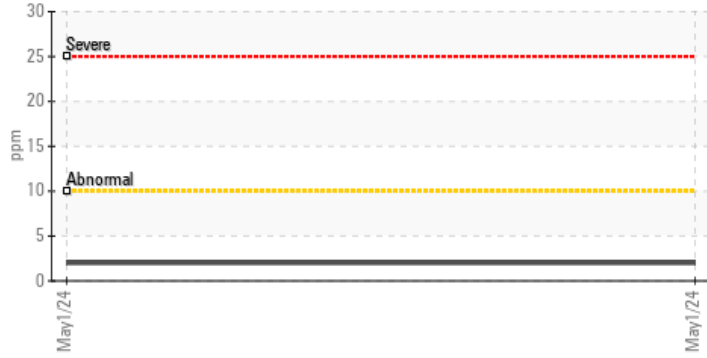
▲ Iron (ppm)



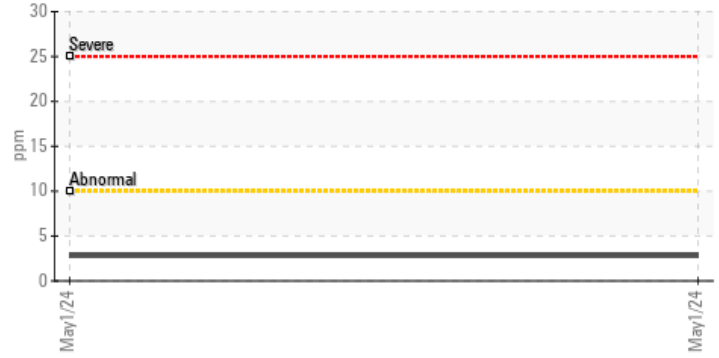
Lead (ppm)



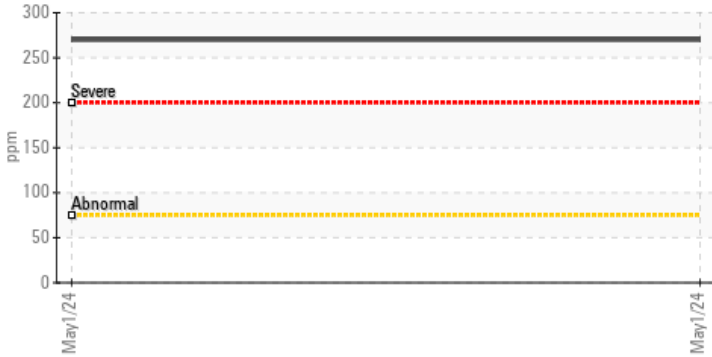
Aluminum (ppm)



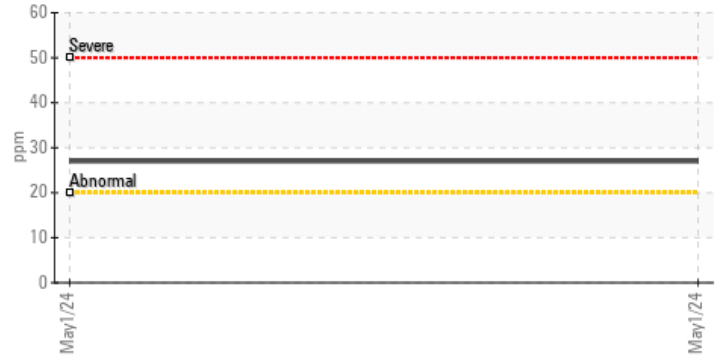
Chromium (ppm)



▲ Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

