



CONSTRUCTION EQUIPMENT

RANGO HITACHI EX1200-7B 7376 - LEFT FINAL DRIVE



Sample No: VCP388312
Oil Type: GEAR OIL SAE 90
Job No: RANGO



SAMPLE INFORMATION

Sample Number	VCP388312	---	---	---
Sample Date	24 Apr 2024	---	---	---
Machine Hours	2749	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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 rallen@arnoldmachinery.com
 T:
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OIL CONDITION

Visc @ 40°C	cSt	█ 189	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 15	---	---	---
Sodium	ppm	█ <1	---	---	---
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	█ 115	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 10	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 24	---	---	---
Phosphorus	ppm	559	---	---	---
Barium	ppm	█ 16	---	---	---
Boron	ppm	█ 99	---	---	---

Depot: VOLVO6174
Unique No: 11020326
Signed: Wes Davis
Report Date: 10 May 2024



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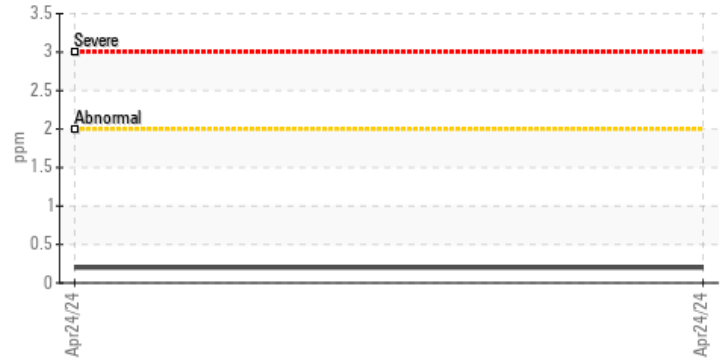


GRAPHS

Iron (ppm)



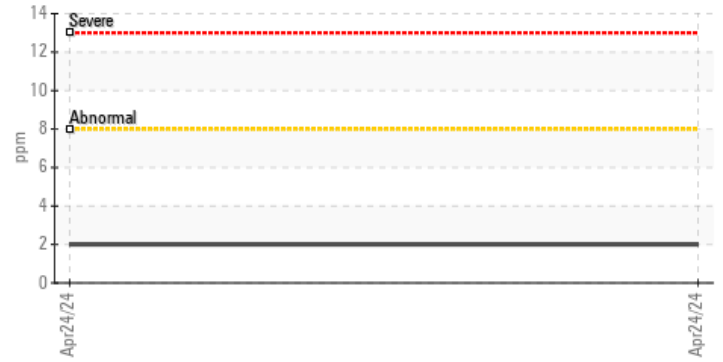
Lead (ppm)



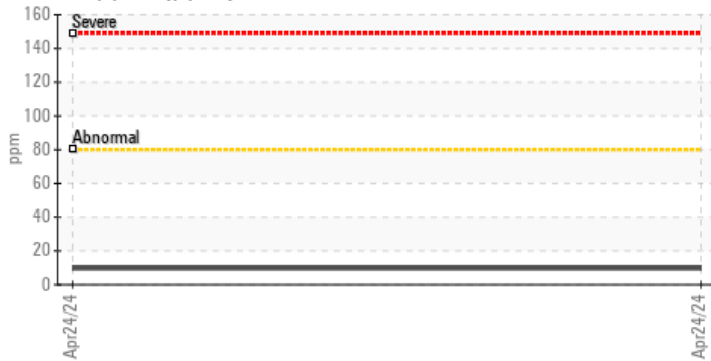
Aluminum (ppm)



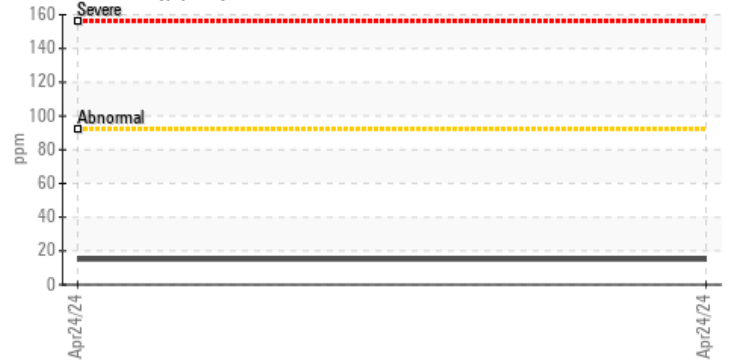
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

