



CONSTRUCTION EQUIPMENT

RANGO HITACHI EX1200-7B 7358 - REAR SWING DRIVE



Sample No: VCP06182094
Oil Type: GEAR OIL SAE 90
Job No: RANGO



SAMPLE INFORMATION

Sample Number	VCP06182094	---	---	---
Sample Date	05 May 2024	---	---	---
Machine Hours	3823	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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 rallen@arnoldmachinery.com
 T:
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OIL CONDITION

Visc @ 40°C	cSt	█ 188	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 44	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 116	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 4	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	3	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 16	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 118	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 73	---	---	---
Phosphorus	ppm	590	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 94	---	---	---

Depot: VOLVO6174
Unique No: 11033420
Signed: Sean Felton
Report Date: 20 May 2024

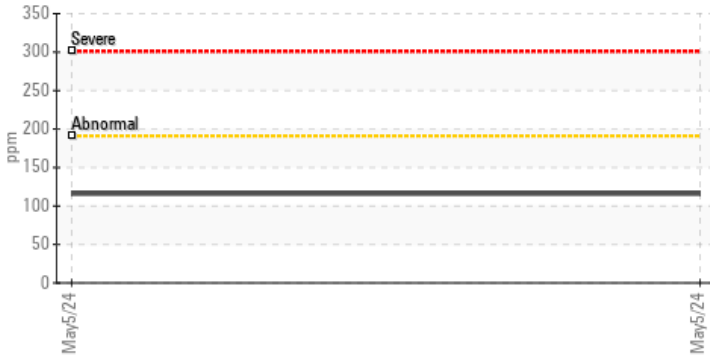


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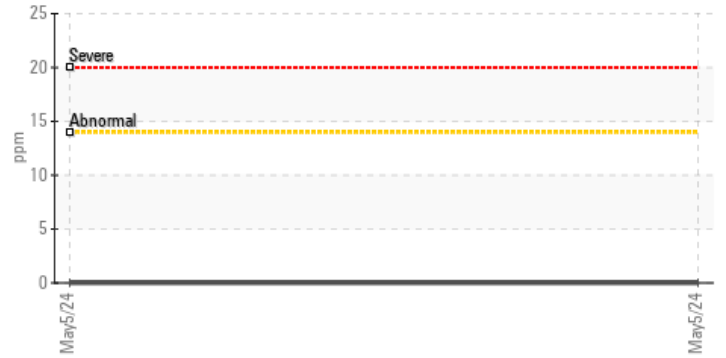


GRAPHS

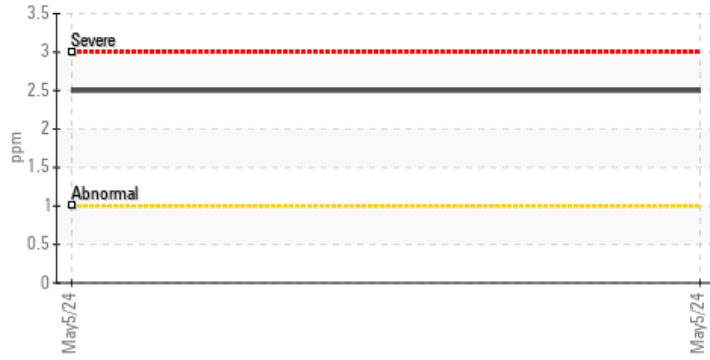
Iron (ppm)



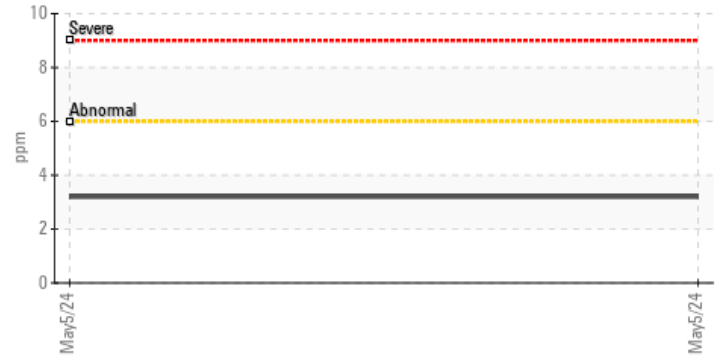
Lead (ppm)



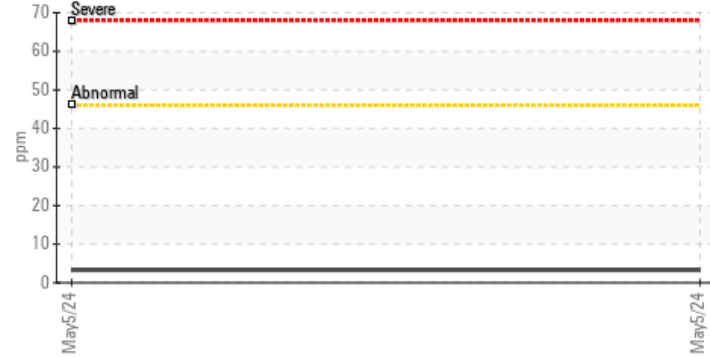
Aluminum (ppm)



Chromium (ppm)



Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

