



CONSTRUCTION EQUIPMENT

SPM688079 US STEEL VOLVO A25G 752203 - REAR AXLE



Sample No: VCP427320
Oil Type: GEAR OIL SAE 80W90
Job No: SPM688079 US STEEL



ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
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SAMPLE INFORMATION

Sample Number	VCP427320	VCP360036	---	---
Sample Date	19 Mar 2024	29 Mar 2022	---	---
Machine Hours	9546	3706	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 131	84.0	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 5	█ 6	---	---
Sodium	ppm	█ 1	█ <1	---	---
Potassium	ppm	█ <1	█ <1	---	---



WEAR METALS

Iron	ppm	█ 180	█ 321	---	---
Copper	ppm	█ 77	█ 54	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 3	█ 2	---	---
Aluminum	ppm	█ 3	█ 3	---	---
Chromium	ppm	█ 2	█ 4	---	---
Molybdenum	ppm	█ 1	█ 5	---	---
Nickel	ppm	█ 0	█ 2	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 4	█ 12	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 144	█ 953	---	---
Magnesium	ppm	█ 0	█ 10	---	---
Zinc	ppm	█ 51	█ 384	---	---
Phosphorus	ppm	█ 538	█ 1442	---	---
Barium	ppm	█ 0	█ 2	---	---
Boron	ppm	█ 7	█ 188	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. High concentration of visible metal present. All component wear rates are normal. There is a high amount of visible silt present in the sample. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8885
Unique No: 10990294
Signed: Sean Felton
Report Date: 24 Apr 2024



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GRAPHS

