



CONSTRUCTION EQUIPMENT

SPM688446 SCORIA HITACHI ZW250-6 ZW2506-005232 - FRONT DIFFERENTIAL



Sample No: VCP418808
Oil Type: TDTO FLUID SAE 50
Job No: SPM688446 SCORIA



SAMPLE INFORMATION

Sample Number	VCP418808	VCP369260	VCP404884	---
Sample Date	21 Mar 2024	20 Jun 2023	28 Mar 2023	---
Machine Hours	5641	4504	3973	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
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F:



OIL CONDITION

Visc @ 40°C	cSt	209	136	135	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	31	8	8	---
Sodium	ppm	2	2	3	---
Potassium	ppm	0	0	1	---

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	22	173	167	---
Copper	ppm	2	2	3	---
Lead	ppm	0	<1	0	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	2	2	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	3	3	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	2255	3354	3446	---
Magnesium	ppm	39	19	16	---
Zinc	ppm	982	1368	1386	---
Phosphorus	ppm	884	1353	1372	---
Barium	ppm	0	2	2	---
Boron	ppm	5	0	<1	---

Depot: VOLVO8885
Unique No: 10990269
Signed: Don Baldrige
Report Date: 23 Apr 2024



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GRAPHS

