



CONSTRUCTION EQUIPMENT

SWO-063198 HITACHI ZW2206-005407 - TRANSMISSION (MANUAL)



Sample No: VCP424615
Oil Type: TDTO FLUID SAE 10W
Job No: SWO-063198



SAMPLE INFORMATION

Sample Number	VCP424615	VCP398107	VCP389250	VCP337603
Sample Date	26 Jun 2023	21 Mar 2023	12 Sep 2022	23 May 2022
Machine Hours	2685	2120	1029	506
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
 BIRMINGHAM, AL
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OIL CONDITION

Visc @ 40°C	cSt	35.6	34.3	33.5	33.9
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CONTAMINATION

Silicon	ppm	6	8	6	5
Sodium	ppm	7	21	19	19
Potassium	ppm	<1	3	0	0



WEAR METALS

Iron	ppm	57	84	57	40
Copper	ppm	2	7	6	6
Lead	ppm	0	0	<1	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	4	7	5	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	2	4	4	4
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	2	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2586	2815	2765	2617
Magnesium	ppm	18	31	28	26
Zinc	ppm	1049	1219	1136	1000
Phosphorus	ppm	853	1038	981	871
Barium	ppm	0	<1	0	0
Boron	ppm	1	4	0	11

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.

Depot: SAIBIR
Unique No: 10536450
Signed: Doug Bogart
Report Date: 02 Jul 2023



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GRAPHS

