



CONSTRUCTION EQUIPMENT

8000240968 CATERPILLAR 980H 6490 - FRONT AXLE



Sample No: VCP260227
Oil Type: VOLVO SUPER TRANSMISSION OIL SAE 30
Job No: 8000240968



SAMPLE INFORMATION

Sample Number	VCP260227	VCP251232	VCP260747	VCP222996
Sample Date	09 May 2020	27 Dec 2019	20 Nov 2019	13 Jun 2019
Machine Hours	13928	13546	13296	11974
Oil Hours	2000	0	0	499
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	101	103	103	102
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CONTAMINATION

Silicon	ppm	10	9	8	8
Sodium	ppm	<1	<1	1	2
Potassium	ppm	<1	<1	2	<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	127	103	93	57
Copper	ppm	12	11	11	8
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	4	4	3	3
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	<1	0	0	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3199	3168	3218	3248
Magnesium	ppm	10	10	10	11
Zinc	ppm	1286	1311	1335	1323
Phosphorus	ppm	1057	1092	1084	1048
Barium	ppm	0	<1	<1	0
Boron	ppm	<1	<1	1	<1

Depot: SHEDAR
Unique No: 5045481
Signed: Wes Davis
Report Date: 14 May 2020



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GRAPHS

