



CONSTRUCTION EQUIPMENT

SPM674733 CATERPILLAR D8T KPZO 1336 - TRANSMISSION (MANUAL)



Sample No: VCP430177
Oil Type: TDTO FLUID SAE 30
Job No: SPM674733



SAMPLE INFORMATION

Sample Number	VCP430177	VCP429892	VCP406122	VCP422842
Sample Date	12 Apr 2024	02 Nov 2023	25 Aug 2023	10 Jul 2023
Machine Hours	11275	9815	9433	8558
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
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 F:



OIL CONDITION

Visc @ 40°C	cSt	85.3	92.6	89.0	86.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	10	4	6	6
Sodium	ppm	4	0	0	<1
Potassium	ppm	3	1	1	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	34	9	21	12
Copper	ppm	7	2	2	<1
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	3	2	1	1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	62	18	24	24
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	0	<1	0
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	2934	2298	2364	2572
Magnesium	ppm	385	213	250	95
Zinc	ppm	1594	1060	1118	1124
Phosphorus	ppm	1431	909	950	912
Barium	ppm	0	2	2	0
Boron	ppm	256	23	53	150

Depot: VOLVO8885
Unique No: 10990425
Signed: Jonathan Hester
Report Date: 24 Apr 2024



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GRAPHS

