



CONSTRUCTION EQUIPMENT

SPM621974 CATERPILLAR D8T KPZO1336 - TRANSMISSION (MANUAL)



Sample No: VCP429892
Oil Type: TDTO FLUID SAE 30
Job No: SPM621974



SAMPLE INFORMATION

Sample Number	VCP429892	VCP406122	VCP422842	VCP400811
Sample Date	02 Nov 2023	25 Aug 2023	10 Jul 2023	21 Feb 2023
Machine Hours	9815	9433	8558	7449
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
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 F:



OIL CONDITION

Visc @ 40°C	cSt	92.6	89.0	86.5	88.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	6	6	7
Sodium	ppm	0	0	<1	1
Potassium	ppm	1	1	0	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	9	21	12	12
Copper	ppm	2	2	<1	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	1	1	<1
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	18	24	24	2
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2298	2364	2572	2910
Magnesium	ppm	213	250	95	35
Zinc	ppm	1060	1118	1124	1266
Phosphorus	ppm	909	950	912	994
Barium	ppm	2	2	0	0
Boron	ppm	23	53	150	4

Depot: VOLVO8885
Unique No: 10767338
Signed: Sean Felton
Report Date: 05 Dec 2023

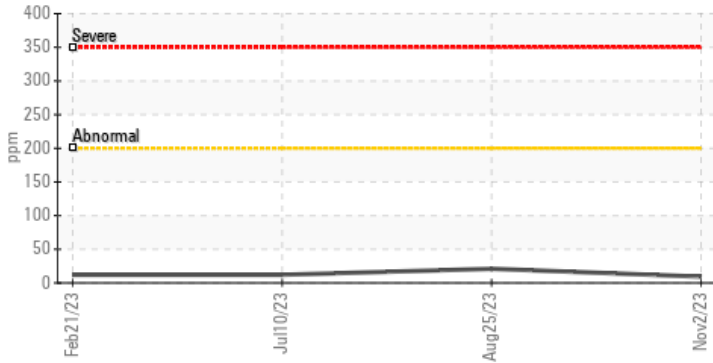


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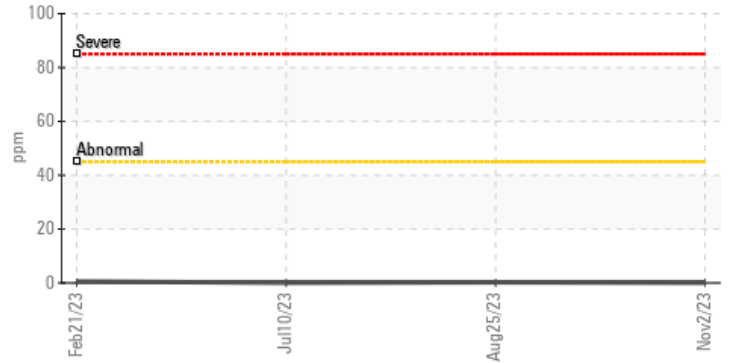


GRAPHS

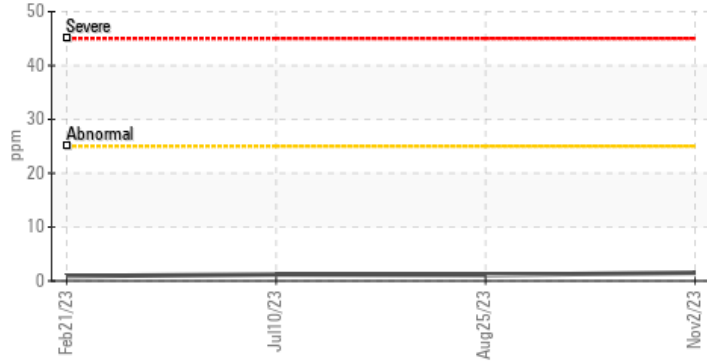
Iron (ppm)



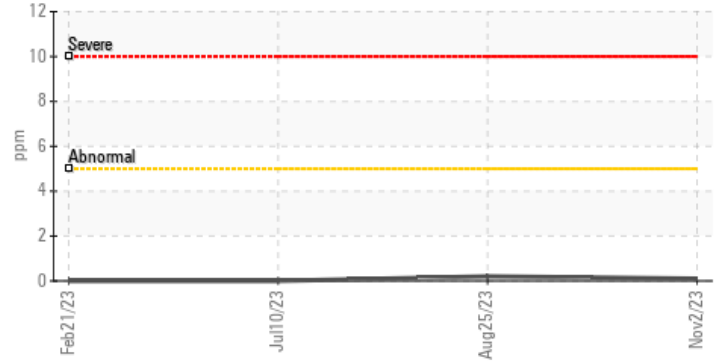
Lead (ppm)



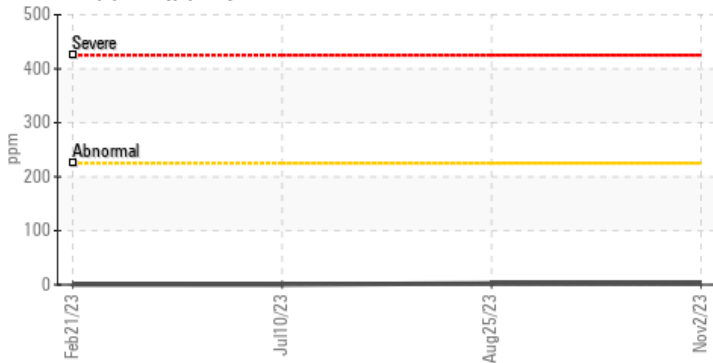
Aluminum (ppm)



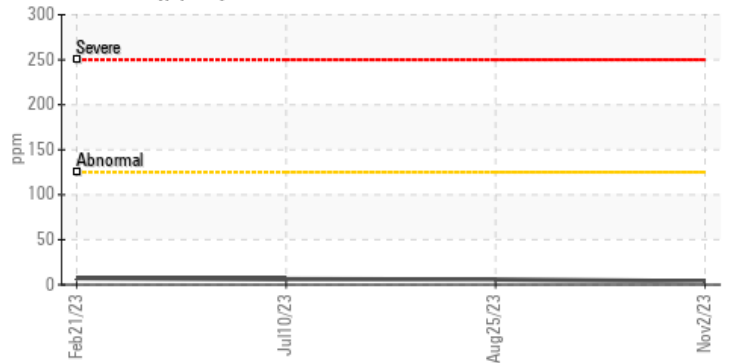
Chromium (ppm)



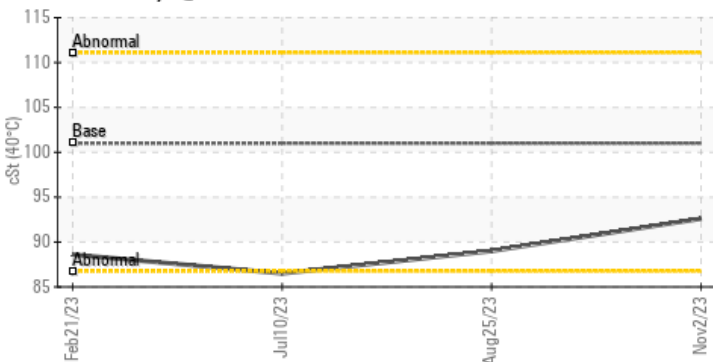
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

