



CONSTRUCTION EQUIPMENT

347608 GROVE GRT8100 235974 - TRANSMISSION (MANUAL)



Sample No: VCP379513
Oil Type: TDTO FLUID SAE 10W
Job No: 347608



SAMPLE INFORMATION

Sample Number	VCP379513	VCP299379	VCP275389	VCP273144
Sample Date	09 Dec 2022	14 Jul 2021	11 May 2021	24 Nov 2020
Machine Hours	6200	4600	4240	3728
Oil Hours	0	500	0	420
Oil Changed	Not Chngd	Not Chngd	Not Chngd	N/A
Sample Status	ATTENTION	ABNORMAL	ABNORMAL	ABNORMAL

STRONGCO EQUIPMENT--CALGARY

7923 54TH STREET SE
 CALGARY, AB
 CA T2C 4R7
 Contact: Tracey Lewin
 tlewin@strongco.com
 T: (403)216-1010
 F: (403)216-1016



OIL CONDITION

Visc @ 40°C	cSt	36.1	43.7	44.2	45.5
-------------	-----	-------------	------	------	------



CONTAMINATION

Silicon	ppm	8	8	8	11
Sodium	ppm	6	6	6	6
Potassium	ppm	1	2	1	2



WEAR METALS

Iron	ppm	7	2	2	2
Copper	ppm	25	23	21	19
Lead	ppm	▲ 181	▲ 166	▲ 142	▲ 121
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	1	<1	<1	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	<1	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3329	3171	3213	3215
Magnesium	ppm	19	9	8	9
Zinc	ppm	1269	1316	1323	1337
Phosphorus	ppm	1141	1182	1074	1074
Barium	ppm	0	<1	<1	<1
Boron	ppm	85	77	74	77

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Lead ppm levels are noted. All other 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.

Depot: VOLVO3909
Unique No: 5501690
Signed: Kevin Marson
Report Date: 14 Dec 2022



CONSTRUCTION EQUIPMENT



GRAPHS

