



OIL REPORT

LAB NUMBER: G41780

UNIT ID: 04 BEAVER MH-T

REPORT DATE: 10/28/2014

CLIENT ID: 68155

CODE: 20/75

PAYMENT: CC: Visa

UNIT

MAKE/MODEL: Transmission Allison 3000
FUEL TYPE:
ADDITIONAL INFO:

OIL TYPE & GRADE: Transynd - ATF
OIL USE INTERVAL: 60,000 Miles

CLIENT

WILLIAM SPRAGUE
1204 23RD AVE UNIT B3
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COMMENTS

BILL: We marked aluminum last time because it was a little higher than average, but we must have been feeling picky that day. This is the same oil we saw last time, just with another 10,000 miles on it, and aluminum only went up by one ppm, which is fine. It's not a problem at all. Neither is lead - it only increased by 8 ppm. If you want to leave this fill in place another 10,000 miles, that should be fine. All wear will keep slowly increasing, but and no insolubles or contamination was present, so the oil seems to be in good shape overall. Nice transmission.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	60,000	UNIT / LOCATION AVERAGES	50,000					
	MI/HR on Unit	118,000		104,500					
	Sample Date	10/20/14		12/20/13					
	Make Up Oil Added								
	ALUMINUM	9	9	8					5
	CHROMIUM	0	0	0					0
	IRON	62	61	60					40
	COPPER	8	8	8					13
	LEAD	69	65	61					22
	TIN	4	2	0					1
	MOLYBDENUM	0	0	0					1
	NICKEL	3	2	0					0
	MANGANESE	1	1	1					1
	SILVER	0	0	0					0
	TITANIUM	0	0	0					0
	POTASSIUM	2	2	2					4
	BORON	108	111	114					100
	SILICON	4	4	4					5
	SODIUM	11	8	5					7
	CALCIUM	27	29	30					107
	MAGNESIUM	1	1	1					2
	PHOSPHORUS	278	285	291					289
	ZINC	22	22	22					32
	BARIUM	1	1	1					1

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	49.9	45-53	49.6				
	cSt Viscosity @ 100°C	7.24	5.7-8.5	7.15				
	Flashpoint in °F	450	>335	SHORT				
	Fuel %	-		-				
	Antifreeze %	0.0	0.0	0.0				
	Water %	0.0	<0.1	0.0				
	Insolubles %	0.0	<0.1	TR				
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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