OIL REPORT

LAB NUMBER: R94310 **UNIT ID:** 034646-TR
REPORT DATE: 12/11/2023 **CLIENT ID:** 56232
CODE: 20/88 **PAYMENT:** CC: Visa

UNIT

MAKE/MODEL: Transmission Allison
FUEL TYPE:
ADDITIONAL INFO: 2000 Spartan MM2242

OIL TYPE & GRADE: ATF
OIL USE INTERVAL: Miles

CLIENT

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COMMENTS

STEVEN: Universal averages show typical wear for Allison transmissions in general with about 27,000 miles on the oil. Most of the wear metals in this sample compare nicely to averages. Lead is the exception, and it's typically an indicator of bearing wear. The oil's viscosity is a little thin for ATF, suggesting the oil is near the end of its service life. We didn't detect contamination or excess insolubles (oxidized solids).

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil								
MI/HR on Unit	50,000							
Sample Date	12/8/2023							
Make Up Oil Added								
ALUMINUM	8	9						7
CHROMIUM	0	0						0
IRON	47	58						47
COPPER	24	25						90
LEAD	**45**	23						17
TIN	3	2						2
MOLYBDENUM	0	1						2
NICKEL	0	0						0
MANGANESE	1	1						1
SILVER	0	0						0
TITANIUM	0	0						0
POTASSIUM	5	3						1
BORON	73	92						73
SILICON	7	4						7
SODIUM	6	6						9
CALCIUM	48	69						652
MAGNESIUM	12	4						29
PHOSPHORUS	234	265						416
ZINC	30	24						263
BARIUM	1	1						1

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	**41.3**	42-51					
cSt Viscosity @ 100°C	**4.57**	4.8-7.9					
Flashpoint in °F	415	>335					
Fuel %	-						
Antifreeze %	0.0	0.0					
Water %	0.0	0.0					
Insolubles %	TR	<0.1					
TBN							
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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