



OIL REPORT

LAB NUMBER:
REPORT DATE: 5/1/2025
CODE: 44/1,193

UNIT ID:
CLIENT ID:
PAYMENT:

UNIT	EQUIP. MAKE/MODEL:	Detroit 8V71	OIL TYPE & GRADE:	Diesel Engine Oil
	FUEL TYPE:	Diesel	OIL USE INTERVAL:	1,000 Miles
	ADDITIONAL INFO:	1976 MC1 Bus		

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS	Amended report for the engine type. Several wear metals are high next to the universal averages for a Detroit 8V71, which are based on ~4,900-mile oil changes. Aluminum is from the pistons, tin - a piston coating, chrome - rings, and iron - cylinder liners/other steel parts. Silicon looks better next to the new averages, but it is on the higher side, and it wouldn't hurt to check air filtration for leaks in case some of the silicon is from dirt. Watch for a rising oil level on the dipstick -- fuel is excessive at 3.5%. If noted, seek inspection. Change the oil and repeat 1k miles.
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	1,000	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	56,703							
	Sample Date	4/2/2025	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	Make Up Oil Added								
			UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	ALUMINUM	6							
	CHROMIUM	5	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	IRON	101							
	COPPER	5	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	LEAD	5							
	TIN	50	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MOLYBDENUM	71							
	NICKEL	0	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MANGANESE	1							
	SILVER	0	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	TITANIUM	0							
	POTASSIUM	1	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	BORON	17							
	SILICON	18	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	SODIUM	6							
	CALCIUM	1323	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MAGNESIUM	816							
	PHOSPHORUS	944	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	ZINC	1151							
	BARIIUM	0	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	66.4					
	cSt Viscosity @ 100°C	11.98					
	Flashpoint in °F	380	>415				
	Fuel %	3.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.2	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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