



# OIL REPORT

LAB NUMBER: K52138  
 REPORT DATE: 9/11/2018  
 CODE: 63/32

UNIT ID: 17 RAM ED  
 CLIENT ID: 63851  
 PAYMENT: CC: Visa

<b>UNIT</b>	MAKE/MODEL: VM Motori 3.0L DOHC V-6 EcoDiesel	OIL TYPE & GRADE: Shell Rotella T6 5W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 5,000 Miles
	ADDITIONAL INFO: CC 4x4, GDE hot tune installed	

<b>CLIENT</b>	JOHN HUTCHINS	PHONE: (207) 326-9400
	PO BOX 9	FAX:
	PENOBSCOT, ME 04476	ALT PHONE:
		EMAIL: penobscotuf@gmail.com

**COMMENTS**  
 JOHN: Congrats on the new Ram. These are normal results for a factory oil fill run 5,000 miles. There's extra metal and silicon from new parts and sealer material, but it shouldn't be long before the engine starts looking more like universal averages. They show typical wear for the 3.0L EcoDiesel with about 8,200 miles on the oil. We'd bet you could run close to the average interval next time and still find improvements, so feel free to try a longer interval if you'd like. The flashpoint temp denotes a harmless 0.5% fuel dilution. This engine is off to a good start.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	5,000	<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	5,000						
	Sample Date	8/29/2018						
	Make Up Oil Added	0 qts						
	ALUMINUM	9						5
	CHROMIUM	2						1
	IRON	48						27
	COPPER	9						3
	LEAD	0						0
	TIN	0						0
	MOLYBDENUM	42						27
	NICKEL	0						0
	MANGANESE	5						1
	SILVER	2						2
	TITANIUM	0						0
	POTASSIUM	33						13
	BORON	40						73
	SILICON	36						12
	SODIUM	8						5
	CALCIUM	817						1493
	MAGNESIUM	1147						338
	PHOSPHORUS	1069						858
	ZINC	1206						990
	BARIUM	34						0

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	74.6	66-78				
	cSt Viscosity @ 100°C	14.15	11.9-15.3				
	Flashpoint in °F	405	>410				
	Fuel %	0.5	<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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