



# OIL REPORT

LAB NUMBER:   
 REPORT DATE: 5/29/2018  
 CODE: 20/75

UNIT ID: 15 RAM 1500  
 CLIENT ID:   
 PAYMENT: CC: Visa (Bulk)

<b>UNIT</b>	MAKE/MODEL: VM Motori diesel 3.0L DOHC V-6 Eco	OIL TYPE & GRADE: Shell Rotella T6 5W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 7,000 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	<input type="text"/>	PHONE: (763) 228-7121
	TC DIESEL	FAX:
	1060 118TH LN	ALT PHONE:
	BLAINE, MN 55434	EMAIL: todd@tcdiesel.com

**COMMENTS** TODD: Here's another nice report for your EcoDiesel. You went more than twice as long as last time and wear metals are higher. They're in line with averages and fine on a per-mile basis, so we don't see any trouble on the horizon. The established trend is favorable and there's no sign of that changing any time soon. It's pretty obvious you operate and maintain this engine with care. No contamination was found and the 0.2% insolubles show excellent oil filtration. Try 9,000 miles if you'd like. If not, 3,000-7,000-mile intervals work well too. Keep up the good work!

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	7,000	<b>UNIT / LOCATION AVERAGES</b>	3,000	6,000		4,100		<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	41,000		34,500	32,000	26,700	22,100	18,000	
	Sample Date	5/12/2018		8/6/2017	6/2/2017	8/31/2016	6/13/2016	5/29/2016	
	Make Up Oil Added			0 qts	0 qts				
ALUMINUM	5	4	2	5	3	3	6	5	
CHROMIUM	1	1	0	1	1	1	1	1	
IRON	22	14	8	19	9	8	19	28	
COPPER	2	1	1	2	1	1	2	3	
LEAD	0	0	0	0	0	0	1	0	
TIN	0	1	0	1	0	0	1	0	
MOLYBDENUM	46	61	70	69	67	52	63	29	
NICKEL	0	0	0	1	0	0	1	0	
MANGANESE	0	0	0	0	0	0	0	1	
SILVER	0	0	0	0	0	0	0	2	
TITANIUM	0	0	0	0	0	0	0	0	
POTASSIUM	4	4	2	3	2	6	5	18	
BORON	64	48	57	44	48	40	38	72	
SILICON	6	6	5	8	4	3	8	12	
SODIUM	5	10	6	6	10	35	4	5	
CALCIUM	1116	922	819	827	845	978	937	1452	
MAGNESIUM	821	1067	1280	1238	1214	917	999	343	
PHOSPHORUS	998	1028	1111	1104	1092	981	940	837	
ZINC	1171	1207	1312	1287	1295	1164	1140	970	
BARIUM	0	0	0	0	0	0	0	0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	70.5	66-78	71.5	70.3	72.6	71.2	72.2
	cSt Viscosity @ 100°C	13.08	11.9-15.3	13.34	13.04	13.64	13.27	13.52
	Flashpoint in °F	425	>410	420	400	420	420	455
	Fuel %	<0.5	<2.0	<0.5	1.0	<0.5	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	?	0.0
	Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.2	<0.6	0.2	0.3	0.3	0.3	0.3
	TBN							
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com