

OIL REPORT

LAB NUMBER: 5/29/2018

CODE: 20/75

UNIT ID: 15 RAM 1500
CLIENT ID:

PAYMENT: CC: Visa (Bulk)

LIN

딩

MAKE/MODEL: VM Motori diesel 3.0L DOHC V-6 Eco

FUEL TYPE: Diesel ADDITIONAL INFO:

OIL TYPE & GRADE: Shell Rotella T6 5W/40

OIL USE INTERVAL: 7,000 Miles

TC DIE

TC DIESEL 1060 118TH LN BLAINE, MN 55434 PHONE: (763) 228-7121

FAX:

ALT PHONE:

EMAIL: todd@tcdiesel.com

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!

MI/HR on Unit Sample Date S/12/2018 MARE Up Oil Added MARE OF Oil Added S/12/2018 MARE Up Oil Added MARE OF Oil Added S/12/2018 MARE Up Oil Added MARE OF Oil Added S/12/2018 MARE OF Oil Added MARE OF Oil Added S/12/2018 MARE OF OIL ADDED OIL ADDE		MI/HR on Oil	7,000	UNIT / LOCATION	3,000	6,000		4,100		
Sample Date Simple Date Make Up Oil Added AVERAGES 8/6/2017 6/2/2017 8/31/2016 6/13/2016 5/29/2016 AVERAGES		MI/HR on Unit	41,000		34,500	32,000	26,700	22,100	18,000	UNIVERSAL
Make Up Oil Added		Sample Date	5/12/2018		8/6/2017	6/2/2017	8/31/2016	6/13/2016	5/29/2016	AVERAGES
CHROMIUM 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Make Up Oil Added			0 qts	0 qts				
CHROMIUM 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										
CHROMIUM 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N	ALUMINUM	5	4	2	5	3	3	6	5
COPPER 2	Ĭ	CHROMIUM	1	1	0	1	1	1	1	1
COPPER 2		IRON	22	14	8	19	9	8	19	28
TIN 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 0 0 1 0		COPPER	2	1	1	2	1	1	2	3
MOLYBDENUM	띪	LEAD	0	0	0	0	0	0	1	0
NICKEL 0 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0	Д	TIN	0	1	0	1	0	0	1	0
MANGANESE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LS	MOLYBDENUM	46	61	70	69	67	52	63	29
SILVER	K	NICKEL	0	0	0	1	0	0	1	0
TITANIUM 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ρ/	MANGANESE	0		0	0	0	0	0	1
POTASSIUM 4 4 2 3 2 6 5 18 BORON 64 48 57 44 48 40 38 72 SILICON 6 6 6 5 8 4 3 8 12 SODIUM 5 10 6 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	Z	SILVER	0	0	0	0	0	0	0	2
POTASSIUM 4 4 4 2 3 2 6 5 18 BORON 64 48 57 44 48 40 38 72 SILICON 6 6 6 5 8 4 3 8 12 SODIUM 5 10 6 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	(2)	TITANIUM	0	0	0	0	0	0	0	
BORON 64 48 57 44 48 40 38 72		POTASSIUM	4	4	2	3	2	6	5	18
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	П	BORON	64	48	57	44	48	40	38	72
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	₹	SILICON	6	6	5	8	4	3	8	12
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		SODIUM	5		6	6	10	35	4	5
PHOSPHORUS 998 1028 1111 1104 1092 981 940 837 ZINC 1171 1207 1312 1287 1295 1164 1140 970		CALCIUM	1116	922				978	937	1452
ZINC 1171 1207 1312 1287 1295 1164 1140 970		MAGNESIUM	821	1067	1280	1238	1214	917	999	343
		PHOSPHORUS	998	1028	1111	1104	1092	981	940	837
BARIUM 0 0 0 0 0 0 0 0 0		ZINC	1171	1207	1312	1287	1295	1164	1140	970
		BARIUM	0	0	0	0	0	0	0	0

Values

Should Be*

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