



OIL REPORT LAB NUMBER: G37254

UNIT ID: CHADMILLISOR F350

**REPORT DATE:** 10/7/2014 CODE: 20/636

**CLIENT ID: 73637** PAYMENT: CC: MC

MAKE/MODEL: Navistar 6.0L Power Stroke Diesel

OIL TYPE & GRADE:

Diesel Engine Oil

ADDITIONAL INFO:

Ford F-350

OIL USE INTERVAL: 4,929 Miles

CLIENT

**KEVIN ADAMS LUBRICATION SPECIALTIES**  PHONE: FAX:

255 NEAL AVE

**FUEL TYPE:** 

ALT PHONE:

MT. GILEAD, OH 43338

EMAIL:

COMMENTS

KEVIN: This is the second sample, taken at 217,776 miles (the spectral analysis was already completed prior to your phone conversation yesterday, so that's why those results were already included). There's been a significant drop in iron, and in the level of coolant contamination -- sodium and potassium. Insolubles improved as well (0.5% is an acceptable level for engine oil), and the particle count improved to 17/16/13.

41,182-1641

	MI/HR on Oil	4,929	UNIT/	4,711	4,711		
t s	MI/HR on Unit	217,776		217,548	217,548		UNIVERSAL
27.0	Sample Date	10/01/14		10/01/14	10/01/14		AVERAGES
	Make Up Oil Added						
Z	ALUMINUM	19			20	 	3
MILLION	CHROMIUM	5			6		1
三	IRON	128			186		20
Σ	COPPER	9			7		3
出	LEAD	16			14		3
۵	TIN	0			1		
RIS	MOLYBDENUM	106			86		35
	NICKEL	3			7		0
A	MANGANESE	2			2		0
Z	SILVER	0			0		0
	TITANIUM	2			2		0
13	POTASSIUM	840			1034		12
<b>a</b>	BORON	28			35		61
ELEMI	SILICON	33			31		11
	SODIUM	270			962		5
N	CALCIUM	1915			2070		2521
1	MAGNESIUM	87			98		244
	PHOSPHORUS	1107			1198		1104
1 5	ZINC	1008			1083		1271
	BARIUM	10		1	11		1

Values Should Be\*

	SUS Viscosity @ 210°F	62.9			61.5			ISO CODE (2)	16/13
	cSt Viscosity @ 100°C	11.04			10.65		PARTICLE COUNT	NAS 1638 Class	8
S	Flashpoint in °F	405	>415		410			ISO CODE (3)	17/16/13
PERTIES	Fuel %	1.0	<2.0		0.5			>= 2 Micron	1,641
2	Antifreeze %	0.54	0.0		1.92			>= 5 Micron	608
PROPE	Water %	0.0	<0.1	e e	0.0			>= 10 Micron	168
	Insolubles %	0.5	<0.6		0.6			>= 15 Micron	65
	TBN							>= 25 Micron	15
	TAN	(1)						>= 50 Micron	1
	ISO Code	17/16/13		21/20/17	22/21/18			>= 100 Micron	0

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE





OIL REPORT LAB NUMBER: G52932 **REPORT DATE:** 1/2/2015

UNIT ID: BASELINE **CLIENT ID: 73637** 

PAYMENT: CC: MC CODE: 20/636

MAKE/MODEL: Virgin 15W/40

**FUEL TYPE:** 

ADDITIONAL INFO:

Shell Rotella

OIL TYPE & GRADE:

Shell Rotella T 15W/40

OIL USE INTERVAL:

CLIENT

**KEVIN ADAMS LUBRICATION SPECIALTIES** 255 NEAL AVE

MT. GILEAD, OH 43338

PHONE:

FAX:

ALT PHONE:

EMAIL:

COMMENTS

KEVIN: This is the baseline sample for Rotella for comparison purposes. No water or solids were found and the particle count read 17/16/14, which is clean. This is serviceable oil.

MI/HR on Oil	L WASHUINE	THE PERSON		
MI/HR on Unit	I Alertoni de l	UNIT / LOCATION	UNIVERSAL	
Sample Date	12/29/14	AVERAGES	AVERAGES	
Make Up Oil Added	<b>建新原门程</b> 第		# 75200 OF THE RESERVED	7個 然近日世紀 188年以前 5 45年
ALUMINUM	1	51	0	
CHROMIUM	0	0	0	
CHROMIUM IRON	2	2	KC/8 200511	
COPPER	0	0	0	
LEAD	0	0	0	
1 TIN	0	0	0	
✓ MOLYBDENUM ✓ NICKEL	1		28	
NICKEL	2	2	0	
MANGANESE	0	0	0	
> SILVER	0	0	Modern Common	
TITANIUM	0	0	2	
POTASSIUM BORON SILICON SODIUM	4	4	10000000000011	
BORON	43	43	63	
SILICON	4	4	5	
SODIUM	2	2	3	
CALCIUM	2098	2098	2113	
MAGNESIUM	6	6	303	
PHOSPHORUS	913	913	975	
ZINC	1010	1010	1139	
BARIUM	0	0	111111111111111111111111111111111111111	

Values Should Be\*

SUS Viscosity @ 21	0°F 77.1	69-78			ISO CODE (2)	17/13
cSt Viscosity @ 100	°C 14.79	12.7-15.3		5	NAS 1638 Class	8
Flashpoint in °F	455	>415		3	ISO CODE (3)	17/16/14
Fuel %	-			COUN	>= 2 Micron	1,818
Antifreeze %	-	4416		ш	>= 5 Micron	673
Water %	0.0	<0.1			>= 10 Micron	186
Insolubles %	0.0	<0.8		ARTICL	>= 15 Micron	72
TBN				3	>= 25 Micron	17
TAN				4	>= 50 Micron	1
ISO Code	17/16/14			1	>= 100 Micron	0

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE