



## OIL REPORT

LAB NUMBER: F22623

UNIT ID: 10 F350

REPORT DATE: 10/2/2012

CLIENT ID: 52943

CODE: 63/75

PAYMENT: Prepaid

**UNIT**

MAKE/MODEL: Navistar 6.4L V-8 Power Stroke Twin T  
FUEL TYPE: Diesel  
ADDITIONAL INFO:

OIL TYPE & GRADE: Chevron Delo 400 15W/40  
OIL USE INTERVAL: 5,000 Miles

**CLIENT**

RAY STANCIU  
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**COMMENTS**

RAY: Wear metals stayed nice and steady in this sample from your F350, but that's what we've come to expect from this engine. The only metal noticeably higher than averages is aluminum, but we're only talking seven ppm here and that's not enough to show a problem. Not all engines wear like universal averages, so a little extra aluminum may just be normal for this engine. Potassium dropped again to five ppm, so coolant is no longer a concern, not that it really was before. No fuel here and the air and oil filters are in good shape. Try 7,000 miles on the next oil.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,000	UNIT / LOCATION AVERAGES	4,037	2,000				UNIVERSAL AVERAGES
	MI/HR on Unit	32,291		22,437	20,400				
	Sample Date	09/24/12		02/28/12	01/06/12				
	Make Up Oil Added	0 qts		0 qts	0 qts				
	ALUMINUM	20	17	20	12				13
	CHROMIUM	1	1	1	1				1
	IRON	21	24	28	23				30
	COPPER	2	1	1	1				2
	LEAD	3	3	1	4				2
	TIN	0	0	0	0				1
ELEMENTS IN PARTS PER MILLION	MOLYBDENUM	77	78	64	92				22
	NICKEL	0	0	0	0				1
	MANGANESE	1	1	1	1				0
	SILVER	0	0	0	0				0
	TITANIUM	0	0	0	0				0
	POTASSIUM	5	11	12	15				10
	BORON	415	449	406	525				51
	SILICON	9	8	8	7				8
	SODIUM	3	2	2	2				4
	CALCIUM	1686	1873	1685	2249				1694
	MAGNESIUM	466	438	350	499				354
	PHOSPHORUS	1155	1268	1131	1519				960
	ZINC	1269	1471	1293	1851				1117
	BARIUM	0	0	0	0				2

Values  
Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	72.0	69-82	71.9	77.1			
	cSt Viscosity @ 100°C	13.47	12.7-16.3	13.44	14.78			
	Flashpoint in °F	440	>405	395	425			
	Fuel %	<0.5	<2.0	1.0	<0.5			
	Antifreeze %	0.0	0.0	0.0	?			
	Water %	0.0	<0.1	0.0	0.0			
	Insolubles %	0.3	<0.7	0.2	0.1			
	TBN							
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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