



OIL REPORT

LAB NUMBER: E70803

UNIT ID: 02 F350

REPORT DATE: 9/13/2011

CLIENT ID: 32390

CODE: 83/75

PAYMENT: CC: MC

UNIT

MAKE/MODEL: Navistar 7.3L Power Stroke
FUEL TYPE: Diesel
ADDITIONAL INFO:

OIL TYPE & GRADE: Shell Rotella T 15W/40
OIL USE INTERVAL: 5,000 Miles

CLIENT

PHONE:
FAX:
ALT PHONE:
EMAIL:

COMMENTS

CHRIS: The 7.3L Power Stoke is a heck of an engine, and yours is certainly no exception. The ~5,000-mile oil change intervals are keeping wear to a minimum, and at this rate you may have one of those million-mile engines that we hear about from time to time. At 375,000 miles, that may be getting a little ahead of ourselves, but we don't see any reason why your F350 can't go the distance. Nothing unusual showed up in this sample taken on 08/28/11. Keep up the good work!

Rotella
15W-40

Rotella
15W-40

Delvac
15W-40

Delo
15W-40

Valvoline
15W-40

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,000	UNIT / LOCATION AVERAGES	5,200	5,200	5,000	5,000	UNIVERSAL AVERAGES
	MI/HR on Unit	375,000		320,000	270,200	265,000	260,000	
	Sample Date	08/28/11		02/27/10	10/29/08	09/20/08	08/09/08	
	Make Up Oil Added	0 qts		1 qt	0 qts	0 qts	1 qt	
	ALUMINUM	1	2	1	1	2	1	2
	CHROMIUM	1	1	1	0	0	1	1
	IRON	8	9	6	6	6	7	17
	COPPER	1	1	1	1	1	1	4
	LEAD	3	2	1	1	0	2	4
	TIN	0	0	0	0	0	0	1
	MOLYBDENUM	3	33	2	58	72	6	24
	NICKEL	0	0	0	0	0	0	1
	MANGANESE	0	0	0	0	0	0	0
	SILVER	0	0	0	0	0	0	0
	TITANIUM	0	0	0	0	0	0	0
	POTASSIUM	11	4	6	2	2	1	2
	BORON	30	140	31	113	368	24	84
	SILICON	3	4	2	4	4	3	9
	SODIUM	3	3	2	5	1	4	4
	CALCIUM	2337	1707	2267	1362	1457	1424	2974
	MAGNESIUM	22	481	11	857	487	779	124
	PHOSPHORUS	1030	1090	1011	1051	1096	1104	1114
	ZINC	1148	1280	1219	1269	1297	1282	1292
	BARIUM	0	0	0	0	0	0	1

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	72.7	69-80	73.2	75.5	70.7	70.6
	cSt Viscosity @ 100°C	13.65	12.7-15.8	13.80	14.38	13.15	13.10
	Flashpoint in °F	425	>410	415	430	435	430
	Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5
	Antifreeze %	0.0	0	0.0	0.0	0.0	0.0
	Water %	0.0	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.2	<0.6	0.1	0.3	0.3	0.3
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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