

LAB NUMBER: REPORT DATE: 7/22/2010 CODE: 20/284

UNIT ID: CLIENT ID: PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Navistar 7.3L Power Stroke FUEL TYPE: Diesel ADDITIONAL INFO:	OIL TYPE & GRADE: OIL USE INTERVAL:	Mobil 1 5W/40 ESP 11,900 Miles				
	PHONE:						
F	FAX:						
IENT	ALT PHONE:						

EMAIL:

OIL

REPORT

COMMENTS

5

Iron, from steel parts, increased significantly in the latest sample from your Ford. If you didn't change anything between the last sample and this one (you did the same type of driving), then iron indicates excess wear. But if you did any heav towing or something along those lines, maybe the iron is normal. Lead is still above average, though on a per-mile basis it improved a little. Upper-end wear is okay. Since the extra iron makes the fill somewhat abrasive, we suggest changing this oil now and dropping back down to 10K miles to monitor. No contaminants found.

	MI/HR on Oil	11,900		10,000			
	MI/HR on Unit	229,250	UNIT / LOCATION AVERAGES	217,350	207,000		UNIVERSAL
	Sample Date	7/10/2010		5/10/2010	3/14/2010		AVERAGES
_	Make Up Oil Added	3 qts		2 qts	0 qts		
6							
Ľ	ALUMINUM	3	3	3	4		2
MILLION	CHROMIUM	1	1	1	1		1
Σ	IRON	81	64	31	30		17
R	COPPER	4	4	1	2		4
PER	LEAD	9	9	9	6		4
	TIN	2	1	0	0		1
PARTS	MOLYBDENUM	88	51	10	11		27
R R	NICKEL	1	1	1	1		1
P/	MANGANESE	1	1	0	0		0
Z	SILVER	0	0	0	0		0
	TITANIUM	0	0	0	0		0
S	POTASSIUM	2	2	4	2		4
Z	BORON	138	68	49	8		86
EMENTS	SILICON	6	5	4	4		8
ш	SODIUM	3	4	2	3		4
Η	CALCIUM	1419	1605	2271	2344		2757
	MAGNESIUM	13	336	26	8		200
	PHOSPHORUS	816	930	965	988		1114
	ZINC	986	1144	1234	1165		1291
	BARIUM	0	0	0	0		1

## Values Should Be\*

	SUS Viscosity @ 210°F	66.2	63-78	72.6	70.8		
	cSt Viscosity @ 100°C	11.93	11.1-15.3	13.64	13.16		
ES	Flashpoint in °F	430	>410	440	440		
	Fuel %	<0.5	<2.0	<0.5	<0.5		
ER	Antifreeze %	0.0	0.0	0.0	0.0		
PROPE	Water %	0.0	<0.1	0.0	0.0		
	Insolubles %	0.3	<0.8	0.4	0.2		
	TBN						
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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