



# OIL REPORT

LAB NUMBER: D25716      UNIT ID: 06 F350  
 REPORT DATE: 12/13/2007      CLIENT ID: 25789  
 CODE: 20/12      PAYMENT: CC: Visa (Bulk)

<b>UNIT</b>	MAKE/MODEL: Navistar 6.0L Power Stroke	OIL TYPE & GRADE: Diesel Engine Oil
	FUEL TYPE: Diesel	OIL USE INTERVAL: 10,000 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	SCOT BAIRD	PHONE:
	C&J SERVICES INC	FAX:
	210 ISBELL	ALT PHONE:
	HOWELL, MI 48843-2029	EMAIL: scotbaird@comcast.net

**COMMENTS** SCOT: Fuel dilution remained at a cautionary level of 2.5% in this sample. We've been finding fuel in these samples for a few tests running so this engine may have a leaky injector. We suggest taking this PSD out on the highway for ~20-25 minutes before you pull the next sample. That should burn off any excess fuel in the oil. No other harmful contaminants were found. Wear looks good so the fuel hasn't had an adverse affect yet. The high iron is from the long oil run. The long oil runs aren't a problem but the fuel dilution is something to watch. Check back to monitor.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	10,000	<b>UNIT / LOCATION AVERAGES</b>		12,500	7,400	5,000	5,000	<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	56,500			45,500		33,000	28,000	
	Sample Date	12/12/07		08/31/07	08/23/07	07/11/07	04/30/07	03/12/07	
	Make Up Oil Added	0 qts			2 qts	0 qts	0 qts	0 qts	
ALUMINUM	3	3	4	4	3	2	3	3	
CHROMIUM	3	2	3	2	1	1	1	1	
IRON	<b>48</b>	<b>37</b>	<b>52</b>	<b>46</b>	31	17	25	22	
COPPER	3	4	5	4	3	2	4	3	
LEAD	5	6	7	6	3	3	9	3	
TIN	1	1	3	2	1	0	1	1	
MOLYBDENUM	7	11	18	18	4	6	11	31	
NICKEL	1	1	1	1	0	0	0	0	
MANGANESE	0	0	1	1	0	0	0	0	
SILVER	0	0	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	0	0	0	
POTASSIUM	6	3	6	3	3	0	0	4	
BORON	17	9	6	8	6	17	2	33	
SILICON	5	7	9	7	6	5	10	11	
SODIUM	3	3	3	4	3	1	1	3	
CALCIUM	2469	2920	3022	3338	3263	2399	3028	3098	
MAGNESIUM	6	9	12	9	9	9	11	84	
PHOSPHORUS	1062	1138	1194	1201	1271	1037	1064	1121	
ZINC	1218	1311	1211	1448	1510	1207	1273	1290	
BARIUM	0	0	0	0	0	0	2	2	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	68.6		<b>61.3</b>	61.1	62.8	<b>65.5</b>	56.4
	cSt Viscosity @ 100°C	12.59		<b>10.59</b>	10.52	11.00	<b>11.76</b>	9.17
	Flashpoint in °F	<b>390</b>	>415	<b>390</b>	<b>370</b>	420	<b>405</b>	SHORT
	Fuel %	<b>2.5</b>	<2.0	<b>2.5</b>	<b>4.5</b>	<0.5	1.0	-
	Antifreeze %	0.0	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	0.3	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