



# OIL REPORT

LAB NUMBER: D41684  
 REPORT DATE: 6/4/2008  
 CODE: 83/286

UNIT ID: 1  
 CLIENT ID: 24883  
 PAYMENT: CC: MC

<b>UNIT</b>	MAKE/MODEL: Navistar 7.3L Power Stroke	OIL TYPE & GRADE: Chevron Delo 400 LE 15W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 7,391 Miles
	ADDITIONAL INFO: 1999 Superduty. Replaced turbo at 169,520 miles.	

<b>CLIENT</b>	RON BLANCHARD	PHONE: (603) 869-3165
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**COMMENTS**  
 RON: They've reformulated this Delo oil, and you can see the variances in moly, boron, and calcium. Mostly you've got more boron than before. Boron is a detergent/dispersant additive. This oil is working well for you--metals are actually lower than before and you're run this oil the longest interval yet. The TBN is still strong at 5.7, so you've got lots of room to run this oil more miles than this. The oil was in good shape physically, containing no moisture, fuel, or coolant. Try 8500 miles next. If wear still looks good at that point, we'll suggest a longer interval next time.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	7,391	<b>UNIT / LOCATION AVERAGES</b>	6,572	5,988	4,697	3,000	<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	184,208		176,817	169,520	163,532	158,835	
	Sample Date	05/21/08		12/15/07	06/23/07	01/20/07	12/22/06	
	Make Up Oil Added	3 qts		2 qts	0 qts	0 qts	0 qts	
ALUMINUM	4	8	5	29	2	2	2	2
CHROMIUM	1	2	1	6	0	1	1	1
IRON	15	24	17	59	15	13	17	17
COPPER	1	3	2	10	3	1	4	4
LEAD	5	7	5	13	5	6	4	4
TIN	0	0	0	1	1	0	1	1
MOLYBDENUM	146	199	227	220	206	194	22	22
NICKEL	1	1	1	3	1	0	1	1
MANGANESE	0	0	0	1	0	0	0	0
SILVER	0	0	0	0	0	0	0	0
TITANIUM	0	0	0	0	0	0	0	0
POTASSIUM	10	4	2	3	3	3	1	1
BORON	435	185	131	106	156	98	83	83
SILICON	8	10	9	16	7	9	9	9
SODIUM	5	4	3	4	4	5	4	4
CALCIUM	2224	3012	3295	3220	3089	3233	3169	3169
MAGNESIUM	379	86	18	14	8	12	78	78
PHOSPHORUS	1258	1201	1220	1234	1109	1185	1119	1119
ZINC	1557	1431	1538	1404	1287	1370	1292	1292
BARIUM	0	0	0	0	0	0	1	1

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	72.8	69-78	71.2	73.6	72.7	71.1
	cSt Viscosity @ 100°C	13.68	12.7-15.3	13.27	13.89	13.65	13.23
	Flashpoint in °F	420	>415	425	405	420	410
	Fuel %	<0.5	<2.0	<0.5	TR	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0	0.0	0.0
	Insolubles %	0.3	<0.8	0.3	0.2	0.2	0.3
	TBN	5.7		9.2	8.2	10.8	12.0
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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