BLACKSTONE LABORATORIES

P.O. NUMBER CC: MC (Prepaid)
CODE: 83/24883/121

UNIT NUMBER 1
REPORT DATE: 1/28/07
LAB NUMBER: C95948

OIL REPORT

CLIENT

CONTACT:
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UNIT

EQUIPMENT MAKE: Navistar
EQUIPMENT MODEL: 7.3L Power Stroke
FUEL TYPE: Diesel
ADDITIONAL INFO: 1999 Superduty

OIL USE INTERVAL: 4,697 Miles
OIL TYPE & GRADE: Chevron Delo 400 15W/40
MAKE-UP OIL ADDED: 0 qts

COMMENTS

RON: Everything continues to look good in the latest sample from your PSD. All wear read around universal averages and in the proper balance to indicate that normally wearing parts are at work inside your 7.3L. The oil was in good shape physically, containing no moisture, fuel, or coolant. Insolubles (oil oxidation due to heat, use and blow-by) were low at 0.2%, showing good oil filtration. Silicon improved to 7 ppm so your air filter is working well, too. The TBN read 10.8, which shows an abundance of active additive remaining. 1.0 is low. Try 5,500 miles next time.

ELEMENTS IN PARTS PER MILLION

MI/HR ON OIL	4,697	UNIT / LOCATION AVERAGES	3,000						UNIVERSAL AVERAGES
MI/HR ON UNIT	163,532		158,835						
SAMPLE DATE	01/20/07		12/22/06						
ALUMINUM	2	2	2						2
CHROMIUM	0	1	1						1
IRON	15	14	13						17
COPPER	3	2	1						4
LEAD	5	6	6						4
TIN	1	1	0						1
MOLYBDENUM	206	200	194						18
NICKEL	1	1	0						0
MANGANESE	0	0	0						0
SILVER	0	0	0						0
TITANIUM	0	0	0						0
POTASSIUM	3	3	3						1
BORON	156	127	98						90
SILICON	7	8	9						9
SODIUM	4	5	5						3
CALCIUM	3089	3161	3233						3210
MAGNESIUM	8	10	12						75
PHOSPHORUS	1109	1147	1185						1115
ZINC	1287	1329	1370						1284
BARIUM	0	0	0						1

PROPERTIES

TEST	cST VISCOSITY @ 40 °C	SUS VISCOSITY @ 100 °F	VISCOSITY INDEX	cST VISCOSITY @ 100 °C	SUS VISCOSITY @ 210 °F	FLASHPOINT IN °F	FUEL %	ANTIFREEZE %	WATER %	INSOLUBLES %
VALUES SHOULD BE					69-82	>405	<2.0	0.0	<0.1	<0.7
TESTED VALUES WERE					72.7	420	<0.5	0.0	0.0	0.2

LIABILITY LIMITED TO COST OF SAMPLE ANALYSIS

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