



P.O. NUMBER Prepaid
 CODE: 22/13731/16

UNIT NUMBER 03 F350
 REPORT DATE: 6/1/06
 LAB NUMBER: C75181

OIL REPORT

CLIENT	CONTACT:	PHONE: (310) 371-5696
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UNIT	EQUIPMENT MAKE: Navistar	OIL USE INTERVAL: 5,445 Miles
	EQUIPMENT MODEL: 6.0L Power Stroke	OIL TYPE & GRADE: Shell Rotella T 15W/40
	FUEL TYPE: Diesel	MAKE-UP OIL ADDED: 0 qts
	ADDITIONAL INFO:	

COMMENTS
 HARRY: Fuel dilution read 2.0% in this sample, and this may be something to keep an eye on. This is right on the border of what we consider a problem level. If this engine sees a lot of idling and/or city driving, then this level may not necessarily be from a problem. The fuel dilution may be affecting bearing wear (note the higher lead), though a particle streak through the bearings (which is temporary) will also cause an increase in lead. No moisture or anti-freeze was found. Suggest resampling this engine in 5000-5500 miles to monitor the fuel & lead.

ELEMENTS IN PARTS PER MILLION	MI/HR ON OIL	5,445	UNIT / LOCATION AVERAGES	5,460	7,870	5,265	5,014	5,351	UNIVERSAL AVERAGES
	MI/HR ON UNIT	34,405		28,960	23,500	15,630	10,365	5,351	
	SAMPLE DATE	05/21/06	10/20/05	12/24/04	07/18/04	01/26/04	10/15/03		
ALUMINUM	3	3	3	3	2	3	3	3	
CHROMIUM	1	1	1	1	1	1	2	1	
IRON	42	48	34	45	38	42	89	23	
COPPER	3	9	4	6	8	10	20	4	
LEAD	10	5	4	4	3	3	8	3	
TIN	2	2	1	2	1	2	3	1	
MOLYBDENUM	2	3	2	2	1	6	4	24	
NICKEL	1	1	1	1	1	0	1	0	
MANGANESE	0	1	1	1	1	1	4	0	
SILVER	0	0	0	0	0	0	1	0	
TITANIUM	0	0	0	0	0	0	0	0	
POTASSIUM	3	11	1	6	5	13	36	4	
BORON	0	37	3	10	33	172	2	32	
SILICON	7	41	9	12	24	44	148	11	
SODIUM	3	4	3	3	3	4	9	3	
CALCIUM	3836	3250	3154	3600	3515	2727	2670	3122	
MAGNESIUM	11	43	11	12	34	173	16	76	
PHOSPHORUS	1168	1055	1000	1124	1082	902	1055	1099	
ZINC	1368	1206	1143	1303	1254	986	1182	1256	
BARIUM	0	3	0	1	4	12	1	2	

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					69-80	>410	<2.0	0	0.0	<0.6
	TESTED VALUES WERE					60.8	390	2.0	0.0	0.0	0.4