



P.O. NUMBER Prepaid
 CODE: 22/13731/103

UNIT NUMBER 03 F350
 REPORT DATE: 10/27/05
 LAB NUMBER: C58561

OIL REPORT

CLIENT	CONTACT:	PHONE: (310) 371-5696
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UNIT	EQUIPMENT MAKE: Navistar	OIL USE INTERVAL: 5,460 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: Your engine wear is coming along nicely at 28,960 miles. You've backed off the longer oil use interval and you can see the effect it had on iron. Iron is the one element you can count on to move with miles oil use. The copper would have come down regardless, and it shows the final end to wear-in. Bronze parts take longer than steel. Diesel fuel contamination is up to 1.5% but we doubt it is from a fuel system problem. This level comes and goes with idling and low RPM operation. The TBN was 6.6, so the active additive in the oil isn't half used up in 5,460 miles.

ELEMENTS IN PARTS PER MILLION	MI/HR ON OIL	5,460	UNIT / LOCATION AVERAGES	7,870	5,265	5,014	5,351	UNIVERSAL AVERAGES
	MI/HR ON UNIT	28,960		23,500	15,630	10,365	5,351	
	SAMPLE DATE	10/20/05		12/24/04	07/18/04	01/26/04	10/15/03	
ALUMINUM	3	3	3	2	3	3	3	3
CHROMIUM	1	1	1	1	1	1	2	1
IRON	34	50	45	38	42	89	24	24
COPPER	4	10	6	8	10	20	4	4
LEAD	4	4	4	3	3	8	3	3
TIN	1	2	2	1	2	3	1	1
MOLYBDENUM	2	3	2	1	6	4	17	17
NICKEL	1	1	1	1	0	1	0	0
MANGANESE	1	2	1	1	1	4	0	0
SILVER	0	0	0	0	0	1	0	0
TITANIUM	0	0	0	0	0	0	0	0
POTASSIUM	1	12	6	5	13	36	5	5
BORON	3	44	10	33	172	2	33	33
SILICON	9	47	12	24	44	148	12	12
SODIUM	3	4	3	3	4	9	3	3
CALCIUM	3154	3133	3600	3515	2727	2670	3123	3123
MAGNESIUM	11	49	12	34	173	16	80	80
PHOSPHORUS	1000	1033	1124	1082	902	1055	1092	1092
ZINC	1143	1174	1303	1254	986	1182	1248	1248
BARIUM	0	4	1	4	12	1	2	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					60.6	395	1.5	0.0	0.0	0.3