



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

UNIT NUMBER 03 F350
 REPORT DATE: 10/22/03
 LAB NUMBER: C04961

OIL REPORT

CLIENT	CONTACT:	PHONE: (310) 371-5696
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UNIT	EQUIPMENT MAKE: Navistar	OIL USE INTERVAL: 5,351 Miles
	EQUIPMENT MODEL: 6.0L Powerstroke	OIL TYPE & GRADE: Motorcraft 10W/30
	FUEL TYPE: Diesel	MAKE-UP OIL ADDED: 0 qts
	ADDITIONAL INFO:	

COMMENTS
 HARRY: High wear and silicon are both common finds in new engines such as yours. The wear is high due to break-in of new parts, while silicon is from sealers and sand-casted parts. Universal averages show typical wear metals for an oil from this type engine after about 4,000 miles oil use. We suspect your engine will look that good or better in two or three more oil changes. Fuel dilution was mildly high at 1.5%, though this level is not high enough to show a problem yet. Suggest resampling in another 5,000 miles to monitor. We should see wear and fuel improve.

ELEMENTS IN PARTS PER MILLION	MI/HR ON OIL	5,351	UNIT / LOCATION AVERAGES							UNIVERSAL AVERAGES
	MI/HR ON UNIT	5,351								
	SAMPLE DATE	10/15/03								
ALUMINUM	3	3								2
CHROMIUM	2	2								1
IRON	89	89								23
COPPER	20	20								6
LEAD	8	8								3
TIN	3	3								1
MOLYBDENUM	4	4								5
NICKEL	1	1								0
MANGANESE	4	4								1
SILVER	1	1								0
TITANIUM	0	0								0
POTASSIUM	36	36								9
BORON	2	2								144
SILICON	148	148								23
SODIUM	9	9								4
CALCIUM	2670	2670								2929
MAGNESIUM	16	16								154
PHOSPHORUS	1055	1055								1065
ZINC	1182	1182								1198
BARIUM	1	1								3

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					59-66	>400	<2.0	0	<0.1	<0.6
	TESTED VALUES WERE					56.1	385	1.5	0.0	0.0	0.3