



# OIL REPORT

LAB NUMBER: H09184

UNIT ID: 10 F250

REPORT DATE: 10/15/2015

CLIENT ID: 49507

CODE: 63/32

PAYMENT: CC: Visa

UNIT

MAKE/MODEL: Navistar 6.4L V-8 Power Stroke Twin T  
FUEL TYPE: Diesel  
ADDITIONAL INFO:

OIL TYPE & GRADE: Mobil Delvac 1300 15W/40  
OIL USE INTERVAL: 3,000 Miles

CLIENT

COMMENTS

PETER: Thanks for the notes. This is an interesting pair of samples, and we're looking at the "pre-trip" one here. Note iron at 33 ppm and lead at 1 ppm. Those are the wear metals of primary interest in your "post-trip" sample, and it's good to know what levels they were at before the trip when there was 3,000 miles on the oil. The viscosity came in a bit thick, but that's not really a problem without excess insolubles or coolant to go along with it. Let's see how your Power Stroke handled the long haul.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	3,000	UNIT / LOCATION AVERAGES	10,068	3,400	4,700	6,600	4,478	UNIVERSAL AVERAGES
	MI/HR on Unit	114,574		111,614	105,051	101,546	97,000	90,160	
	Sample Date	10/7/2015		6/14/2015	3/15/2015	7/27/2014	12/14/2013	8/17/2013	
	Make Up Oil Added	0 qts		0 qts	0 qts	0 qts	0 qts	0 qts	
	ALUMINUM	4	6	6	3	4	4	3	15
	CHROMIUM	1	1	1	1	1	2	1	1
	IRON	33	42	61	21	35	60	39	31
	COPPER	0	1	1	1	1	1	1	1
	LEAD	1	2	3	0	1	2	0	2
	TIN	0	1	3	0	3	0	2	1
	MOLYBDENUM	54	51	53	50	48	50	52	25
	NICKEL	0	1	0	3	2	0	0	1
	MANGANESE	0	1	1	0	0	1	0	0
	SILVER	0	0	0	0	0	0	0	0
	TITANIUM	0	0	0	0	0	0	0	1
	POTASSIUM	10	7	11	7	9	6	2	11
	BORON	55	44	35	49	38	37	40	58
	SILICON	5	5	3	4	4	3	3	6
	SODIUM	6	6	6	5	5	7	5	5
CALCIUM	1368	1392	1384	1369	1270	1467	1438	1724	
MAGNESIUM	939	925	919	894	836	970	963	401	
PHOSPHORUS	971	976	905	952	900	1003	1059	994	
ZINC	1289	1160	1162	1093	1100	1155	1234	1157	
BARIUM	0	0	0	0	0	0	0	2	

Values  
Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	79.9	68-78	73.5	74.3	72.4	74.4	72.8
	cSt Viscosity @ 100°C	15.49	12.4-15.3	13.88	14.07	13.58	14.11	13.69
	Flashpoint in °F	430	>415	435	430	460	450	450
	Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.2	<0.7	0.2	0.2	0.2	0.3	0.2
	TBN							
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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