



# OIL REPORT

LAB NUMBER: H09185

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: 7,000 Miles

CLIENT

COMMENTS

PETER: We pointed out iron and lead in the previous report, and you can see that each went a bit high here. In this case though, we're really not all that shook up about it. In all reality only 35 ppm iron accumulated over 4,000 miles use, which is pretty normal for your engine. The heavy hauling could be related to that too, and it could be why we're seeing some more bearing wear than usual. If the next run sees easier use we'd expect things to return to normal. The viscosity thickened up a bit more. Change this fill if you haven't already since wear is on the higher side.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	7,000	UNIT / LOCATION AVERAGES	3,000	10,068	3,400	4,700	6,600	UNIVERSAL AVERAGES
	MI/HR on Unit	118,500		114,574	111,614	105,051	101,546	97,000	
	Sample Date	10/13/2015		10/7/2015	6/14/2015	3/15/2015	7/27/2014	12/14/2013	
	Make Up Oil Added			0 qts	0 qts	0 qts	0 qts	0 qts	
	ALUMINUM	6		4	6	3	4	4	
	CHROMIUM	1		1	1	1	1	2	
	IRON	68		33	61	21	35	60	
	COPPER	1		0	1	1	1	1	
	LEAD	5		1	3	0	1	2	
	TIN	0		0	3	0	3	0	
	MOLYBDENUM	56	51	54	53	50	48	50	25
	NICKEL	0	1	0	0	3	2	0	1
	MANGANESE	1	1	0	1	0	0	1	0
	SILVER	0	0	0	0	0	0	0	0
	TITANIUM	0	0	0	0	0	0	0	1
	POTASSIUM	10	7	10	11	7	9	6	11
	BORON	45	44	55	35	49	38	37	58
	SILICON	5	5	5	3	4	4	3	6
	SODIUM	7	6	6	6	5	5	7	5
	CALCIUM	1402	1392	1368	1384	1369	1270	1467	1724
	MAGNESIUM	971	925	939	919	894	836	970	401
	PHOSPHORUS	960	976	971	905	952	900	1003	994
	ZINC	1274	1160	1289	1162	1093	1100	1155	1157
	BARIUM	0	0	0	0	0	0	0	2

Values  
Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	82.8	68-78	79.9	73.5	74.3	72.4	74.4
	cSt Viscosity @ 100°C	16.22	12.4-15.3	15.49	13.88	14.07	13.58	14.11
	Flashpoint in °F	440	>415	430	435	430	460	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	0.2	0.3
	TBN							
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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