



OIL REPORT

UNIT	MAKE/MODEL: Navistar 6.4L V-8 Power Stroke Twin T	OIL TYPE & GRADE: Motorcraft 10W/30
	FUEL TYPE: Diesel	OIL USE INTERVAL: 4,212 Miles
	ADDITIONAL INFO: 2008 F250	

CLIENT	
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COMMENTS DOUG: Wear metals are in great shape compared to universal averages, which show typical wear levels for this type of engine after about 5,300 miles on the oil. Iron is low, showing excellent wear at steel parts like the cylinders/shafts. Fuel at 2.5% is enough to show a possible fuel system problem, so we'll watch that. Hopefully some of the fuel is just from normal operation. The TBN is 5.0, showing active additive left, but you might change this oil just to remove the fuel from the system. It's not as good of a lubricant as oil is. Check back in 5,000-6,000 miles.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,212	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	104,198						
	Sample Date	1/19/2018						
	Make Up Oil Added							
ALUMINUM	15	15					15	
CHROMIUM	1	1					1	
IRON	20	20					30	
COPPER	1	1					1	
LEAD	1	1					2	
TIN	0	0					1	
MOLYBDENUM	3	3					26	
NICKEL	1	1					1	
MANGANESE	0	0					0	
SILVER	0	0					0	
TITANIUM	1	1					1	
POTASSIUM	0	0					7	
BORON	15	15					60	
SILICON	4	4					6	
SODIUM	3	3					5	
CALCIUM	1934	1934					1709	
MAGNESIUM	11	11					408	
PHOSPHORUS	908	908					996	
ZINC	967	967					1157	
BARIUM	14	14					1	

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	62.1	58-66				
	cSt Viscosity @ 100°C	10.80	9.7-12.2				
	Flashpoint in °F	375	>400				
	Fuel %	2.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.2	<0.6				
	TBN	5.0	>1.0				
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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