



# OIL REPORT

LAB NUMBER:  
REPORT DATE: 7/30/2018  
CODE: 20/478

UNIT ID: 11 F250  
CLIENT ID:  
PAYMENT: Bulk CC

<b>UNIT</b>	MAKE/MODEL: Ford 6.7L Power Stroke	OIL TYPE & GRADE: Chevron Delo 400 10W/30
	FUEL TYPE: Diesel	OIL USE INTERVAL: 7,219 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	:
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**COMMENTS** Archoil contains potassium and sodium, which are also the elements we see from coolant. Potassium is very high at 1279 ppm, but sodium is at only 12 ppm, so if there is any coolant here, it isn't a whole lot. Coolant tends to thicken the oil and cause high insolubles, and both properties are fine. We're leaning towards there not being any coolant in this sample, but can't say that for sure because of the additive. Aluminum is the lowest it's been so far, and other metals are at normal levels. The TBN is 5.8. Run another 2,000 miles before resampling.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	7,219	<b>UNIT / LOCATION AVERAGES</b>	13,563	8,500	<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	223,733		216,514	213,000	
	Sample Date	7/17/2018		8/30/2017	6/3/2017	
	Make Up Oil Added	0 qts		0 qts		
ALUMINUM	22	33	46	30	9	
CHROMIUM	3	2	3	1	1	
IRON	26	27	33	18	29	
COPPER	2	2	3	1	3	
LEAD	0	1	1	0	0	
TIN	0	0	1	0	0	
MOLYBDENUM	7	42	61	59	25	
NICKEL	0	0	0	0	0	
MANGANESE	0	0	0	0	0	
SILVER	0	0	0	0	0	
TITANIUM	0	0	0	0	4	
POTASSIUM	1279	425	0	0	7	
BORON	1008	408	107	147	50	
SILICON	8	7	7	6	8	
SODIUM	12	6	3	2	6	
CALCIUM	1481	1701	1858	1761	1607	
MAGNESIUM	698	438	330	316	498	
PHOSPHORUS	793	946	1063	1027	1022	
ZINC	875	1094	1257	1185	1169	
BARIUM	0	0	0	0	2	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°	66.9	58-68	70.2	69.2
	cSt Viscosity @ 100°C	12.12	9.7-12.7	13.01	12.75
	Flashpoint in °F	420	>395	400	430
	Fuel %	<0.5	<2.0	1.0	<0.5
	Antifreeze %	?	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0
	Insolubles %	0.3	<0.6	0.4	0.5
	TBN	5.8	>1.0		
	TAN				
	ISO Code				

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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