OIL REPORT

LAB NUMBER: K13997 **UNIT ID:** 16 F350
REPORT DATE: 4/24/2018 **CLIENT ID:** 32390
CODE: 83/685 **PAYMENT:** CC: MC

UNIT

MAKE/MODEL: Ford 6.7L Power Stroke
FUEL TYPE: Diesel
ADDITIONAL INFO:
OIL TYPE & GRADE: Valvoline Max-Life 15W/40
OIL USE INTERVAL: 6,900 Miles

CLIENT

PHONE:
FAX:
ALT PHONE:
EMAIL:

COMMENTS

CHRIS: The flashpoint was below the minimum should-be value this time, and that indicates 2.0% of the sample was fuel. That's right at the upper end of our threshold, and could potentially show something like a leaky injector. The viscosity was also just a shade light for 15W/40 grade oil. Keep an eye on the oil level during this next run and see if it's rising. It's possible some of this fuel is just from normal operation like a lot of idling time over winter or taking the sample cold. Wear metals look great still, and the TBN is quite strong at 6.2. Just check back at your next service.

ELEMENTS IN PARTS PER MILLION

			UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	6,900		6,000						
MI/HR on Unit	51,971		32,000						
Sample Date	4/3/2018		8/13/2017						
Make Up Oil Added	0 qts		0 qts						
ALUMINUM	3	3	3						10
CHROMIUM	1	1	1						1
IRON	15	14	13						30
COPPER	2	3	3						3
LEAD	0	0	0						0
TIN	0	0	0						0
MOLYBDENUM	64	58	51						28
NICKEL	0	0	0						0
MANGANESE	0	0	0						1
SILVER	0	0	0						0
TITANIUM	0	0	0						1
POTASSIUM	0	1	2						5
BORON	2	4	6						41
SILICON	5	5	5						8
SODIUM	3	4	5						6
CALCIUM	1046	1013	980						1612
MAGNESIUM	1014	899	784						495
PHOSPHORUS	1012	978	943						1007
ZINC	1200	1106	1011						1170
BARIUM	0	1	2						2

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	**68.7**	69-78	69.4				
cSt Viscosity @ 100°C	**12.60**	12.7-15.3	12.80				
Flashpoint in °F	**395**	>415	425				
Fuel %	**2.0**	<2.0	<0.5				
Antifreeze %	0.0	0	0.0				
Water %	0.0	<0.1	0.0				
Insolubles %	0.2	<0.8	0.4				
TBN	6.2	>1.0	6.3				
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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