OIL REPORT

LAB NUMBER: J29690 **UNIT ID:**
REPORT DATE: 5/9/2017 **CLIENT ID:**
CODE: 63/685 **PAYMENT:** CC: Visa

UNIT

MAKE/MODEL: Cummins ISX 15 OIL TYPE & GRADE: Valvoline 5W/40
FUEL TYPE: Diesel OIL USE INTERVAL: 41,215 Miles
ADDITIONAL INFO: 2014 Volvo VNL780, Model: CM2350

CLIENT

PHONE:
FAX:
ALT PHONE:
EMAIL:

COMMENTS

Our universal averages for the Cummins ISX 15 engine are based on ~15,500 miles of oil use, so these wear readings are really impressive given your much longer 41,215-mile oil run. You did note quite a bit of make-up oil, so that probably helped to keep the wear metal concentration down a bit, and it also serves to keep the active additive level nice and strong, as shown by the TBN of 6.8. At this rate, you could have probably gone a lot longer on the oil, though without all the make-up oil, that may not have been the case. Try 50,000 miles and check back. Nice!

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	41,215							
MI/HR on Unit	448,455							
Sample Date	5/6/2017							
Make Up Oil Added	12 qts							
ALUMINUM	2	2						3
CHROMIUM	1	1						1
IRON	14	14						16
COPPER	1	1						1
LEAD	1	1						4
TIN	0	0						1
MOLYBDENUM	46	46						40
NICKEL	0	0						0
MANGANESE	0	0						0
SILVER	0	0						0
TITANIUM	0	0						2
POTASSIUM	2	2						7
BORON	28	28						74
SILICON	5	5						5
SODIUM	16	16						7
CALCIUM	842	842						1776
MAGNESIUM	1181	1181						514
PHOSPHORUS	1058	1058						1042
ZINC	1267	1267						1256
BARIUM	0	0						0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	66.2	65-76					
cSt Viscosity @ 100°C	11.95	11.6-14.8					
Flashpoint in °F	440	>410					
Fuel %	<0.5	<2.0					
Antifreeze %	0.0	0.0					
Water %	0.0	<0.1					
Insolubles %	0.2	<0.8					
TBN	6.8	>1.0					
TAN							
ISO Code							

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

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