

LAB NUMBER: H72752 REPORT DATE: 8/23/2016 CODE: 63/32 UNIT ID: #10 PROSTAR CLIENT ID: 98931 PAYMENT: CC: Visa

COMMENTS

ARMANDO: There was some sodium in this sample and the concern with sodium is that it can show coolant contamination in the oil. The other element that often shows up when coolant is a problem is potassium and it's nice and low, so we're really not ready to call this a problem yet, but it's definitely something to monitor. Wear metals look quite good compared to universal averages, which are based on about 15,000 miles for the ISX 15 engine. If you're not losing coolant, just check back next time and we'll see how sodium looks.

	MI/HR on Oil	17,852					
	MI/HR on Unit	759,377					UNIVERSAL AVERAGES
	Sample Date	8/12/2016					
	Make Up Oil Added	1 gallon					
N	ALUMINUM	1	1				3
MILLION	CHROMIUM	0	0				1
	IRON	14	14				18
	COPPER	1	1				2
ER	LEAD	4	4				5
4	TIN	0	0				1
TS	MOLYBDENUM	43	43				39
Ř	NICKEL	0	0				0
ΡA	MANGANESE	0	0				0
Z	SILVER	0	0				0
	TITANIUM	1	1				3
Ë	POTASSIUM	1	1				8
Ш	BORON	20	20				66
ELEMENTS	SILICON	3	3				6
	SODIUM	21	21				6
	CALCIUM	1157	1157				1820
	MAGNESIUM	715	715				530
	PHOSPHORUS	792	792	 			1065
	ZINC	989	989				1284
	BARIUM	0	0				0
			Values				

## Values hould Be\*

Should Be*								
	SUS Viscosity @ 210°F	73.4	68-82					
	cSt Viscosity @ 100°C	13.85	12.4-16.3					
S	Flashpoint in °F	415	>400					
Ξ	Fuel %	<0.5	<2.0					
PROPERI	Antifreeze %	?	0.0					
	Water %	0.0	0.0					
	Insolubles %	0.4	<0.6					
	TBN							
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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