



OIL REPORT

LAB NUMBER: J85480

UNIT ID: SNOW WHITE

REPORT DATE: 12/19/2017

CLIENT ID: 62749

CODE: 20/685

PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Cummins ISB 5.9L (Pickup)	OIL TYPE & GRADE: Valvoline Premium Blue 15W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 8,113 Miles
	ADDITIONAL INFO: 2006 3500	

CLIENT	ED KILLGORE	PHONE: (256) 453-2036
	377 BOYS RANON ROAD	FAX:
	HARTSELLE, AL 35640	ALT PHONE:
		EMAIL: ekillgore@earthlink.net

COMMENTS	ED: This is another excellent report for Snow White. Metals are steady across the board and well within the average range to show no issues with how this engine is wearing. No contamination turned up, the viscosity was fine, and the TBN read plenty strong at 6.9. You would be fine to run longer on your oil if you wanted, but we certainly have no complaints with the way you're taking care of business. There aren't any bad apples here. And we already know this one is the fairest one of all. Nice report!
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	8,113	UNIT / LOCATION AVERAGES	7,500	7,176	7,346	6,672	5,951	UNIVERSAL AVERAGES
	MI/HR on Unit	266,954		258,451	250,906	242,851	235,465	228,793	
	Sample Date	12/3/2017		6/7/2017	9/8/2016	4/11/2016	7/31/2015	3/7/2015	
	Make Up Oil Added	1.5 qts		1 qt	2 qts	2.5 qts	1.5 qts	1 qt	
	ALUMINUM	4	3	3	3	3	3	3	3
	CHROMIUM	1	2	1	2	2	2	2	1
	IRON	20	26	20	22	22	28	26	25
	COPPER	2	2	2	3	3	6	2	4
	LEAD	0	0	1	1	0	1	0	2
	TIN	0	0	0	0	2	0	0	1
	MOLYBDENUM	55	48	52	53	46	51	51	37
	NICKEL	0	0	0	0	1	0	0	0
	MANGANESE	18	6	14	15	7	0	0	0
	SILVER	0	0	0	0	1	1	1	1
	TITANIUM	5	16	30	21	26	28	28	2
	POTASSIUM	0	2	1	0	3	2	1	6
	BORON	29	19	2	2	2	5	5	81
	SILICON	6	5	5	5	4	4	5	5
	SODIUM	5	5	9	7	6	4	4	5
	CALCIUM	1568	1793	1315	1374	1325	1397	1422	2098
	MAGNESIUM	784	810	1096	1184	1082	1185	1087	454
	PHOSPHORUS	1129	1170	1196	1176	1133	1153	1166	1097
	ZINC	1306	1391	1352	1484	1288	1437	1450	1285
	BARIUM	0	0	0	0	0	0	0	0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	77.1	69-81	71.7	78.1	75.6	76.6	74.5
	cSt Viscosity @ 100°C	14.78	12.7-16.0	13.39	15.05	14.41	14.67	14.12
	Flashpoint in °F	435	>390	450	420	425	430	430
	Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.3	<0.6	0.2	0.3	0.2	0.4	0.3
	TBN	6.9	>1.0	7.1	6.8	6.5	7.0	7.2
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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