



OIL REPORT

LAB NUMBER: F82610
 REPORT DATE: 11/6/2013
 CODE: 20/75

UNIT ID: PANTERA
 CLIENT ID: 59769
 PAYMENT: CC: MC

UNIT	MAKE/MODEL: Ford 5.8L 351 CID V-8	OIL TYPE & GRADE: Amsoil Dominator 15W/50
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 995 Miles
	ADDITIONAL INFO: 1973	

CLIENT	ASA JAY LAUGHTON	PHONE: () -
	PO BOX 1204	FAX:
	MEDICAL LAKE, WA 99022	ALT PHONE:
		EMAIL: asajay@asajay.com

COMMENTS ASA: Nice improvement in copper. The shorter oil run helped bring it down, but wear-in should be progressing so we think copper will be lower than last time even if you leave this oil in place longer. You haven't changed this fill yet and we don't really think you need to at this point, though the sooner you get the extra copper out of there the sooner we'll be able to more clearly gauge how bronze parts are wearing. All other metals are starting to look steady, just like they should. No fuel or coolant found, and the air and oil filters are working well.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	995	UNIT / LOCATION AVERAGES	2,000				UNIVERSAL AVERAGES
	MI/HR on Unit	4,000		2,500				
	Sample Date	09/15/13		04/13/13				
	Make Up Oil Added	0 qts		0 qts				
ALUMINUM	2	3	3				4	
CHROMIUM	2	3	3				1	
IRON	15	17	18				22	
COPPER	42	68	93				8	
LEAD	18	18	18				9	
TIN	2	3	3				1	
MOLYBDENUM	1	1	1				46	
NICKEL	0	1	1				1	
MANGANESE	3	2	1				1	
SILVER	0	0	0				0	
TITANIUM	0	0	0				0	
POTASSIUM	14	13	11				2	
BORON	10	13	15				35	
SILICON	3	5	7				12	
SODIUM	0	4	8				45	
CALCIUM	1918	2132	2346				1865	
MAGNESIUM	8	9	9				230	
PHOSPHORUS	1344	1418	1491				798	
ZINC	1562	1691	1819				967	
BARIUM	0	0	0				1	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	88.4	79-92	86.2			
	cSt Viscosity @ 100°C	17.59	15.3-18.7	17.05			
	Flashpoint in °F	465	>405	425			
	Fuel %	<0.5	<2.0	<0.5			
	Antifreeze %	0.0	0.0	0.0			
	Water %	0.0	<0.1	0.0			
	Insolubles %	0.2	<0.6	0.1			
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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