



OIL REPORT

LAB NUMBER: F50881

UNIT ID: PANTERA

REPORT DATE: 4/22/2013

CLIENT ID: 59769

CODE: 20/75

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: 2,000 Miles
	ADDITIONAL INFO: 1973	

CLIENT	ASA JAY LAUGHTON	PHONE:
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	MEDICAL LAKE, WA 99022	ALT PHONE:
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COMMENTS	ASA: This appears to be just the second oil change for this engine, so our bet is that the high copper that showed up here is simply from wear-in of new brass/bronze parts, not a problem. Universal averages for the Ford 351 show typical wear after ~3,300 miles of oil use, so nothing else is too far out of line, although lead is on the high side of average. Lead could show bearing wear, a temporary particle streak, or it might even be from the fuel. For now, it's just something to watch. No other issues found. Change this oil to bring copper down, then try 3,000 miles next.
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	2,000	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	2,500							
	Sample Date	04/13/13							
	Make Up Oil Added	0 qts							
	ALUMINUM	3	3						4
	CHROMIUM	3	3						1
	IRON	18	18						22
	COPPER	93	93						8
	LEAD	18	18						9
	TIN	3	3						1
	MOLYBDENUM	1	1						45
	NICKEL	1	1						1
	MANGANESE	1	1						1
	SILVER	0	0						0
	TITANIUM	0	0						0
	POTASSIUM	11	11						2
	BORON	15	15						35
	SILICON	7	7						12
	SODIUM	8	8						42
	CALCIUM	2346	2346						1852
	MAGNESIUM	9	9						234
	PHOSPHORUS	1491	1491						791
	ZINC	1819	1819						961
	BARIUM	0	0						1

Values
Should Be*

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

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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