



OIL REPORT

LAB NUMBER: F91055

UNIT ID: 2CV

REPORT DATE: 1/7/2014

CLIENT ID: 69588

CODE: 44/501

PAYMENT: CC: MC

UNIT

MAKE/MODEL: Citroen
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO: 1986

OIL TYPE & GRADE: Wolf's Head 15W/40
OIL USE INTERVAL: 3,000 Miles

CLIENT

PHON
FAX:
ATTN:

e.com

COMMENTS

BEN: We aren't sure which engine your 2CV has, so we compared it to a generic Citroen engine, and since we don't see this type of engine frequently, averages are still under development. We found copper and lead a little high and together they show bearing wear. Copper could also be from other brass/bronze parts. Silicon could be dirt or harmless sealer, so inspect the air filter to be sure. The viscosity was thick for a 15W/40 and the TBN was good at 7.6 since 1.0 is low. We didn't find any moisture or excessive amounts of oxidized solids (insolubles). Check back for trends.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	3,000	UNIT / LOCATION AVERAGES							UNIVERSAL AVERAGES
	MI/HR on Unit									
	Sample Date	01/05/14								
	Make Up Oil Added	0 qts								
	ALUMINUM	13	13							10
	CHROMIUM	0	0							1
	IRON	37	37							29
	COPPER	11	11							3
	LEAD	22	22							6
	TIN	3	3							1
	MOLYBDENUM	53	53							28
	NICKEL	1	1							1
	MANGANESE	1	1							3
	SILVER	0	0							0
	TITANIUM	0	0							0
	POTASSIUM	4	4							3
	BORON	3	3							41
	SILICON	26	26							9
	SODIUM	70	70							46
	CALCIUM	1883	1883							1144
	MAGNESIUM	993	993							359
	PHOSPHORUS	1169	1169							708
	ZINC	1457	1457							809
	BARIUM	0	0							3

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	84.5	68-78					
	cSt Viscosity @ 100°C	16.64	12.4-15.3					
	Flashpoint in °F	435	>390					
	Fuel %	<0.5	<2.0					
	Antifreeze %	-	0.0					
	Water %	0.0	<0.1					
	Insolubles %	0.4	<0.6					
	TBN	7.6	>1.0					
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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