



OIL REPORT

LAB NUMBER: N02708

UNIT ID: HARRYS 403

REPORT DATE: 1/19/2021

CLIENT ID: 142250

CODE: 96/68

PAYMENT: Prepaid

UNIT	MAKE/MODEL: Oldsmobile 403 CID V-8	OIL TYPE & GRADE: Valvoline VR1 20W/50
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 1,817 Miles
	ADDITIONAL INFO: 1978 GMC Motorhome	

CLIENT	RUSSELL KEITH	PHONE: (727) 423-4818
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COMMENTS RUSSELL: Nothing new or unusual to report for this motorhome's engine. The wear results line up well with past reports and 403 CID averages so we're not seeing any signs of a developing mechanical problem for this engine. We didn't discover any harmful contaminants during our tests either - the high flashpoint rules out any measurable fuel, low silicon tells us dirt is not a threat, and the potassium/sodium levels are low enough to eliminate any thoughts of potential coolant. The viscosity is thick again, but so far that hasn't seemed to cause trouble for this V-8.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	1,817	UNIT / LOCATION AVERAGES	2,327	2,086			UNIVERSAL AVERAGES
	MI/HR on Unit							
	Sample Date	1/2/2021		5/2/2020	4/20/2019			
	Make Up Oil Added	0.50 qts		0 qts	0.5 qts			
ALUMINUM	6	5	5	4			8	
CHROMIUM	1	1	1	1			2	
IRON	19	19	22	16			40	
COPPER	11	12	14	12			12	
LEAD	23	24	27	21			27	
TIN	0	0	0	0			1	
MOLYBDENUM	79	65	65	51			79	
NICKEL	0	0	0	0			0	
MANGANESE	1	1	1	0			1	
SILVER	0	0	0	0			0	
TITANIUM	37	32	32	26			3	
POTASSIUM	3	3	3	3			5	
BORON	82	76	65	82			89	
SILICON	7	7	10	5			12	
SODIUM	39	88	88	136			32	
CALCIUM	1496	1489	1475	1496			1776	
MAGNESIUM	1072	884	890	690			713	
PHOSPHORUS	1396	1289	1270	1201			1040	
ZINC	1664	1530	1535	1392			1277	
BARIUM	0	0	0	0			0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	99.6	77-94	103.1	98.7		
	cSt Viscosity @ 100°C	20.27	14.8-19.2	21.09	20.06		
	Flashpoint in °F	445	>385	425	465		
	Fuel %	<0.5	<2.0	<0.5	<0.5		
	Antifreeze %	0.0	0.0	0.0	0.0		
	Water %	0.0	0.0	0.0	0.0		
	Insolubles %	0.4	<0.6	0.2	0.2		
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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