



OIL REPORT

LAB NUMBER: N39222
 REPORT DATE: 5/7/2021
 CODE: 44/1,311

UNIT ID: 08 LR2
 CLIENT ID:
 PAYMENT:

UNIT	MAKE/MODEL: Land Rover 3.2L I-6	OIL TYPE & GRADE: Castrol GTX High Mileage 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 3,575 Miles
	ADDITIONAL INFO:	

CLIENT	
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COMMENTS Your LR2 is starting off its oil analysis file with a fantastic report! Averages show how this type of inline six usually wears after about 7,000 miles on the oil. You went with a shorter run and ended up with identical metals, except iron is lower. That's exactly what we expected - most metals hang around averages regardless of miles on the oil, but iron goes up/down on longer/shorter runs. In short, your engine's wearing how it should be. The slightly thin viscosity is fine since it's not due to fuel. The PC is 17/16/13. This oil can stay in place another 2,000 miles.

	MI/HR on Oil	3,575	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	161,585						
	Sample Date	4/17/2021						
	Make Up Oil Added	0.5 qts						
ELEMENTS IN PARTS PER MILLION	ALUMINUM	4	4					4
	CHROMIUM	0	0					0
	IRON	4	4					8
	COPPER	3	3					3
	LEAD	0	0					0
	TIN	0	0					0
	MOLYBDENUM	139	139					58
	NICKEL	0	0					0
	MANGANESE	0	0					0
	SILVER	0	0					0
	TITANIUM	0	0					3
	POTASSIUM	0	0					1
	BORON	67	67					47
	SILICON	10	10					7
	SODIUM	4	4					14
	CALCIUM	1203	1203					1665
	MAGNESIUM	892	892					335
PHOSPHORUS	620	620					668	
ZINC	736	736					758	
BARIUM	0	0					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	55.4	56-63					ISO CODE (2)	16/13
	cSt Viscosity @ 100°C	8.90	9.1-11.3					NAS 1638 Class	8
	Flashpoint in °F	395	>375					ISO CODE (3)	17/16/13
	Fuel %	<0.5	<2.0					SAE AS4059 cpc	8
	Antifreeze %	0.0	0.0					4 Micron	1228.9
	Water %	0.0	<0.1					6 Micron	400.9
	Insolubles %	0.3	<0.6					14 Micron	67
	TBN							21 Micron	21.4
	TAN							38 Micron	1.7
	ISO Code	17/16/13						70 Micron	0.1

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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