



OIL REPORT

LAB NUMBER: M80949
 REPORT DATE: 11/9/2020
 CODE: 146/68

UNIT ID: 16 LR4
 CLIENT ID: 170663
 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Land Rover 3.0L V-6 Supercharged	OIL TYPE & GRADE: Liqui Moly 0W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,037 Miles
	ADDITIONAL INFO:	

CLIENT	MARK DEMPSEY	PHONE: [REDACTED]
	[REDACTED]	FAX:
	NASHVILLE, TN 37211	ALT PHONE:
		EMAIL: b49erballer@yahoo.com

COMMENTS MARK: Your LR4 is looking good! The averages column on the right shows a typical wear pattern for one of these Land Rover 3.0L Supercharged V-6s after running the oil for about 6,700 miles. Compared to them, wear metals in your sample are all similar to the averages and show appropriate levels of wear overall. Elements like molybdenum, boron, calcium and below show the additive package in this Liqui Moly 0W/20. The viscosity was in the correct range, and there was no harmful contamination by fuel or coolant present in the oil. Check back to start building trends.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,037	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	60,400						
	Sample Date	10/17/2020						
	Make Up Oil Added	0 qts						
ALUMINUM	3	3					5	
CHROMIUM	0	0					0	
IRON	22	22					16	
COPPER	1	1					2	
LEAD	0	0					0	
TIN	0	0					1	
MOLYBDENUM	13	13					64	
NICKEL	0	0					0	
MANGANESE	1	1					2	
SILVER	0	0					0	
TITANIUM	4	4					13	
POTASSIUM	3	3					2	
BORON	50	50					53	
SILICON	8	8					8	
SODIUM	6	6					8	
CALCIUM	1466	1466					1351	
MAGNESIUM	112	112					615	
PHOSPHORUS	656	656					702	
ZINC	759	759					811	
BARIUM	0	0					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	49.6	46-57				
	cSt Viscosity @ 100°C	7.14	6.0-9.7				
	Flashpoint in °F	410	>385				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.3	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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