



OIL REPORT

LAB NUMBER: P15592

UNIT ID: 15 XFRS-TR

REPORT DATE: 12/6/2021

CLIENT ID: 86046

CODE: 20/68

PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Transmission ZF 8HP	OIL TYPE & GRADE: ZF LifeGuard 8
	FUEL TYPE:	OIL USE INTERVAL: 45,000 Miles
	ADDITIONAL INFO: Jaguar	

CLIENT	
---------------	--

COMMENTS DEVIN: Your Jaguar's transmission is off to a nice start in testing. The universal averages represent the wear levels we expect from the ZF 8HP transmission after roughly 71,100 miles of oil use. This factory fill of LifeGaurd 8 was in use for only 45,000 miles, and wear metals are all lower than average, just like we'd expect. There's no sign of poor wear or a mechanical issue. The trace of insolubles (solids formed by heat and use of the oil) is really the only thing to note in this report, and it's harmless. We don't consider solids high until they're above 0.1%. Looks good!

	MI/HR on Oil	45,000	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	45,000						
	Sample Date	10/10/2021						
	Make Up Oil Added	0 qts						
ELEMENTS IN PARTS PER MILLION	ALUMINUM	15	15					42
	CHROMIUM	0	0					0
	IRON	114	114					223
	COPPER	29	29					91
	LEAD	0	0					1
	TIN	1	1					6
	MOLYBDENUM	0	0					0
	NICKEL	0	0					0
	MANGANESE	2	2					3
	SILVER	0	0					0
	TITANIUM	0	0					0
	POTASSIUM	3	3					5
	BORON	145	145					134
	SILICON	10	10					13
	SODIUM	9	9					9
	CALCIUM	612	612					534
	MAGNESIUM	4	4					3
PHOSPHORUS	585	585					578	
ZINC	7	7					10	
BARIUM	0	0					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	43.2	43-51				
	cSt Viscosity @ 100°C	5.15	5.1-7.9				
	Flashpoint in °F	430	>335				
	Fuel %	-					
	Antifreeze %	0.0					
	Water %	0.0	0.0				
	Insolubles %	TR	<0.1				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com