



OIL REPORT

LAB NUMBER:
 REPORT DATE: 8/9/2024
 CODE: 20/88

UNIT ID:
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Transmission ZF 8HP	OIL TYPE & GRADE: ZF LifeGuard 8
	FUEL TYPE:	OIL USE INTERVAL: 19,860 Miles
	ADDITIONAL INFO: 8HP45	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS Thanks for the letter. Because 4.5L out of the 8.8L capacity was drained out, about half of the metal in the original oil carried through the drain-and-fill. With that, we're not too concerned the wear metals didn't decrease more than they did. However, aluminum didn't decrease as much as iron and copper. This aluminum level isn't an immediate concern —if there was a mechanical problem, it'd probably be a lot higher than this—but check back on that wear metal next service. Only a trace (TR) of insolubles was noted this time. Good report, all told.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	19,860	UNIT / LOCATION AVERAGES	60,245				UNIVERSAL AVERAGES
	MI/HR on Unit	80,105		60,245				
	Sample Date	1/9/2024		2/22/2022				
	Make Up Oil Added							
ALUMINIUM	44	48	51				40	
CHROMIUM	0	0	0				0	
IRON	173	201	228				215	
COPPER	103	126	149				82	
LEAD	0	1	1				1	
TIN	6	8	9				5	
MOLYBDENUM	0	0	0				0	
NICKEL	0	0	0				0	
MANGANESE	2	2	2				3	
SILVER	0	0	0				0	
TITANIUM	0	0	0				0	
POTASSIUM	3	4	5				5	
BORON	146	144	141				132	
SILICON	12	13	13				14	
SODIUM	6	7	8				10	
CALCIUM	550	567	584				533	
MAGNESIUM	2	3	3				4	
PHOSPHORUS	497	531	564				552	
ZINC	6	8	9				13	
BARIUM	0	0	0				0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	44.5	42-51	43.2			
	cSt Viscosity @ 100°C	5.56	4.8-7.9	5.17			
	Flashpoint in °F	390	>335	400			
	Fuel %	-		-			
	Antifreeze %	0.0		0.0			
	Water %	0.0	0.0	0.0			
	Insolubles %	TR	<0.1	0.3			
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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