



OIL REPORT

LAB NUMBER: S475934
REPORT DATE: 10/13/2026
CODE: 44/1,193

UNIT ID: 21 X7-TC
CLIENT ID:
PAYMENT:

UNIT	EQUIP. MAKE/MODEL:	Transfer Case BMW	OIL TYPE & GRADE:	Transfer Case Oil
	FUEL TYPE:		OIL USE INTERVAL:	42,000 Miles
	ADDITIONAL INFO:			

CLIENT	PHONE
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS	BRAD: Iron was a bit high in your sample. That could be because some excess steel wear took place, but seeing as this sample is from the first oil change since new, it's more likely iron is just a bit high due to a combination of break-in and normal accumulation over the interval. And if so, we should see it improve next time. The rest of the wear metals landed within good ranges of the universal averages for a BMW transfer case, which are based on about 50,800-mile intervals. No contamination was found. Look okay, all considered. Just follow up on iron next service.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	42,000	UNIT / LOCATION AVERAGES							
	MI/HR on Unit	42,000								
	Sample Date	9/15/2026								
	Make Up Oil Added									
	ALUMINIUM	56	56							50
	CHROMIUM	1	1							1
	IRON	667	667							353
	COPPER	54	54							31
	LEAD	0	0							1
	TIN	3	3							1
	MOLYBDENUM	2	2							1
	NICKEL	2	2							5
	MANGANESE	46	46							75
	SILVER	0	0							0
	TITANIUM	0	0							0
	POTASSIUM	7	7							8
	BORON	91	91							97
	SILICON	93	93							80
	SODIUM	19	19							16
	CALCIUM	574	574							486
	MAGNESIUM	109	109							108
	PHOSPHORUS	375	375							379
	ZINC	8	8							26
	BARIUM	14	14							11

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	43.4					
	cSt Viscosity @ 100°C	5.22					
	Flashpoint in °F	440	>335				
	Fuel %	-					
	Antifreeze %	-					
	Water %	0.0	0.0				
	Insolubles %	0.1	<0.3				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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