

Lubricant Inspection Report



METRO TECH SYSTEMS LTD

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ISO 9001:
 Registered Firm

Client
 Location
 Unit Number
 Component
 Make / Model
 Serial #

Calgary
 JEEP GLADIATOR
 8 Speed Auto Transmission
 JEEP GLADIATOR

	ZZ7070	ZZ9984	No Ref
Lab Number:	ZZ7070	ZZ9984	
Sample Date:	Sep 28/21	Dec 24/21	
Unit:	24000.0 Km	32000.0 Km	
Oil:	24000.0 Km	8000.0 Kms	
Oil Type:	MOPAR 8&9 S.ATF	AMSOIL ATF-RED	
METALS (D5185): Milligrams per Kilogram (PPM)			
Highlighted Test Results Indicate Abnormal Concentrations			
Tin	17	8	
Lead	4	1	
Copper	662	244	
Aluminum	31	15	
Silicon	12	11	
Iron	906	161	
Chromium	3	0.7	
Silver	0	0	
Zinc	33	12	
Magnesium	4	2	
Nickel	2	0	
Barium	0	0	
Sodium	8	4	
Calcium	482	242	
Vanadium	0	0	
Phosphorus	513	506	
Molybdenum	1	0	
Boron	126	199	
Manganese	8	2	
PHYSICAL PROPERTIES			
Viscosity (D445) @ 40C			
Viscosity (D445) @ 100C	5.365	5.793	
Water (D4007) (% v/v)	0	0	
Solids (D4007) (% v/v)	0	0	
Glycol	Trace	No	
Fuel Dilution			
OTHER PROPERTIES			
Acid No. (D664)			
Base No. (D2896)			
Base No. (D4739)			
Oxidation			
Nitro Compounds			
Organic Nitrates			
Particle Count(ISO 4406)			
Oil Changed?	No	YES	
COMMENTS RATING SYSTEM: A is LOW B is LOW to MODERATE C is MODERATE D is HIGH E is SEVERE			
ZZ7070 - ALERT! Tests indicate the need to CHANGE OIL & FILTER. Check for a coolant leak. Low alloy steel wear (D). Copper wear (D). Aluminum Wear (A) ** Sample from Sump ** ZZ9984 - Tests indicate the need to CHANGE OIL & FILTER. Copper wear (C). Low alloy steel wear (C). Maintain routine sampling. ** Please note very trace bottom red layer **			