

# 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  
 Engine  
 JEEP GLADIATOR  
 ██████████

Lab Number:	ZY2373	No Ref
Sample Date:	Feb 05/21	
Unit:		
Oil:	1000.0 Kms	
Oil Type:	MOPAR BREAK IN	

**METALS (D5185): Milligrams per Kilogram (PPM)** Highlighted Test Results Indicate Abnormal Concentrations

Tin	0	
Lead	1	
Copper	21	
Aluminum	4	
Silicon	90	
Iron	36	
Chromium	1	
Silver	0	
Zinc	698	
Magnesium	17	
Nickel	0.8	
Barium	0	
Sodium	11	
Calcium	2000+	
Vanadium	0	
Phosphorus	592	
Molybdenum	210	
Boron	87	
Manganese	15	

**PHYSICAL PROPERTIES**

Viscosity (D445) @ 40C		
Viscosity (D445) @ 100C	7.650	
Water (D4007) (% v/v)	0	
Solids (D4007) (% v/v)	<0.1	
Glycol	Trace	
Fuel Dilution	No	

**OTHER PROPERTIES**

Acid No. (D664)		
Base No. (D2896)		
Base No. (D4739)		
Oxidation		
Nitro Compounds		
Organic Nitrates		
Particle Count(ISO 4406)		
Oil Changed?	YES	

**COMMENTS**      **RATING SYSTEM:**    A is LOW      B is LOW to MODERATE      C is MODERATE      D is HIGH      E is SEVERE

ZY2373 - Tests indicate the need to CHANGE OIL & FILTER. Wear-in pattern. Maintain routine sampling.