

# Lubricant Inspection Record



**METRO TECH SYSTEMS LTD.**  
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**ISO 9001**  
 Registered Firm

Client: McKee Chris  
 Location: Irricana  
 Unit Number: ENGINE  
 Component: DODGE RAM  
 Make/Model: DODGE RAM  
 Serial #:

Lab Number:	<b>SA1406</b>	<b>SC7383</b>	<b>SG8465</b>	<b>New Oil</b>
Sample Date:	Jan 05/12	Mar 22/12	Jul 23/12	
Unit:		173909.0 Kms	186716.0 Kms	
Oil:	24000.0 Kms	35000.0 Kms	47000.0 Kms	
Oil Type:	AMSOIL 5W40	AMSOIL 5W40	AMSOIL 5W40	AMSOIL 5W40
<b>METALS (D5185): Milligrams per Kilogram (PPM)</b>				
	Highlighted Test Results Indicate Abnormal Concentrations			
Tin	1	1	0	0
Lead	2	2	3	1
Copper	13	54	<b>150</b>	0.1
Aluminum	3	5	4	1
Silicon	6	6	7	9
Iron	56	66	75	4
Chromium	1	2	2	0
Silver	0	0	0	0
Zinc	1300	1250	1250	1300
Magnesium	1050	1050	1100	1150
Nickel	0	0	0	0
Barium	0	0	0	0
Sodium	6	6	9	2
Calcium	1050	1000	950	850
Vanadium	0	0	0	0
Phosphorus	1100	1050	1050	1200
Molybdenum	40	40	42	43
Boron	33	31	28	65
Manganese	0	0	0	0
<b>PHYSICAL PROPERTIES</b>				
Viscosity (D445) @ 40°C				
Viscosity (D445) @ 100°C	14.61	14.56	14.74	14.65
Water (D4007) (% v/v)	0	0	0	0
Solids (D4007) (% v/v)	0.1	0.1	<0.1	0
Glycol	No	No	No	
Fuel Dilution	No	No	No	
<b>OTHER PROPERTIES</b>				
Acid No. (D664)				3.01
Base No. (D2896)				9.87
Base No. (D4739)				
Oxidation				
Nitro Compounds				
Organic Nitrates				
Particle Count (ISO 4406)				
Oil Changed?	No	No	No	
<b>COMMENTS      RATING SYSTEM: A is LOW B is LOW to MODERATE C is MODERATE D is HIGH E is SEVERE</b>				
SA1406 - Tests DO NOT indicate an immediate need for an oil change. Soot content (B). Cylinders; pistons; rings wear (A). Maintain routine sampling. SC7383 - Tests DO NOT indicate an immediate need for an oil change. Soot content (B). Cylinders; pistons; rings wear (A). Maintain routine sampling. SG8465 - Soot content (B). Copper wear (D). Low alloy steel wear (B). ** Resample in 5000 KM **				