

Lubricant Inspection Record



METRO TECH SYSTEMS LTD.

Petroleum Products Consultants

Bay 112, 5621 - 11th Street N.E.
Calgary, Alberta T2E 6Z7

Telephone (403) 295-8803 Fax (403) 295-3848
eMail metrotech@metrotechsystems.ca

ISO 9001:2000

Registered Firm

Client

McKee Chris

Location

Irricana

Unit Number

ENGINE

Component

DODGE RAM

Make/Model

Serial #

Lab Number:	SA1406	SC7383	SG8465	SJ7263	New Oil
Sample Date:	Jan 05/12	Mar 22/12	Jul 23/12	Oct 28/12	
Unit:		173909.0 Kms	186716.0 Kms	200893.0 Kms	
Oil:	24000.0 Kms	35000.0 Kms	47000.0 Kms	61000.0 Kms	
Oil Type:	AMSOIL 5W40	AMSOIL 5W40	AMSOIL 5W40	AMSOIL 5W40	AMSOIL 5W40
METALS (D5185): Milligrams per Kilogram (PPM)					
Highlighted Test Results Indicate Abnormal Concentrations					
Tin	1	1	0	1	0
Lead	2	2	3	3	1
Copper	13	54	150	157	0.1
Aluminum	3	5	4	3	1
Silicon	6	6	7	8	9
Iron	56	66	75	108	4
Chromium	1	2	2	2	0
Silver	0	0	0	0	0
Zinc	1300	1250	1250	1300	1300
Magnesium	1050	1050	1100	1200	1150
Nickel	0	0	0	0	0
Barium	0	0	0	0	0
Sodium	6	6	9	6	2
Calcium	1050	1000	950	1150	850
Vanadium	0	0	0	0	0
Phosphorus	1100	1050	1050	1100	1200
Molybdenum	40	40	42	43	43
Boron	33	31	28	25	65
Manganese	0	0	0	0	0
PHYSICAL PROPERTIES					
Viscosity (D445) @ 40°C					
Viscosity (D445) @ 100°C	14.61	14.56	14.74	14.73	14.65
Water (D4007) (% v/v)	0	0	0	0	0
Solids (D4007) (% v/v)	0.1	0.1	<0.1	<0.1	0
Glycol	No	No	No	No	
Fuel Dilution	No	No	No	No	
OTHER PROPERTIES					
Acid No. (D664)				5.16	3.01
Base No. (D2896)					9.87
Base No. (D4739)					
Oxidation					
Nitro Compounds					
Organic Nitrates					
Particle Count (ISO 4406)					
Oil Changed?	No	No	No	No	
COMMENTS					
RATING SYSTEM: A is LOW B is LOW to MODERATE C is MODERATE D is HIGH E is SEVERE					
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 **					
SJ7263 - Soot content (A). Copper wear (D). Low alloy steel wear (B). ** Resample in 10000 KM **					