Lubricant Inspection Record

METRO TECH SYSTEMS LTD.
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ISO 9001:2000
Registered Firm

Client	Stephen Mr Jeff
Location	Calgary
Unit Number	ENGINE
Component	
Make/Model	MERCEDES C63
Serial #	

Lab Number:	**PF4598**	**New Oil**
Sample Date:	Jun 01/09	
Unit:	10626 Kms	
Oil:	6740 Kms	
Oil Type:	MOBIL 0W40	MOBIL 0W40
METALS (D5185): Milligrams per Kilogram (PPM)	Highlighted Test Results Indicate Abnormal Concentrations	
Tin	2	0
Lead	1	1
Copper	6	0.2
Aluminum	15	2
Silicon	12	6
Iron	39	2
Chromium	2	0.2
Silver	0	0
Zinc	1050	1100
Magnesium	46	13
Nickel	0	0
Barium	0	0
Sodium	1	4
Calcium	2000+	3300
Vanadium	0	0
Phosphorus	900	1000
Molybdenum	92	98
Boron	154	205
Manganese	3	0
PHYSICAL PROPERTIES		
Viscosity (D445) @ 40ºC		
Viscosity (D445) @ 100ºC	**12.24**	13.91
Water (D4007) (% v/v)	0	0
Solids (D4007) (% v/v)	<0.1	0
Glycol	No	
Fuel Dilution	**YES**	
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**

PF4598 - Tests indicate the need to CHANGE OIL & FILTER. Dust/Dirt (A).
Aluminum wear (B). Cylinders; pistons; rings wear (A). ** Resample in 3000 KM **

Laboratory Telephone (403) 295-8803 Results were verified on Jun 11/09 by F Saiad Shirabad 112605 130