

Customer Information

ROB KIDDELL
11735 - 231 ST
EDMONTON, ALBERTA
T5S 2C5
Attention : ROB KIDDELL
Phone :

Unit Information

Unit # : 300ZX Twin Turbo
Component : ENGINE
Location :
Manufacturer : NISSAN
Serial # : JN1CZ2452LX000249
Model : Z32

Lubricant

Manufacturer : MOBIL 1
Brand : European Car Formula
Grade : 0W40
Sample : 08/03-99
Tracking # : Vantrip10
Lab Tracking # : 1 - 155825



Oil Analysis

9321 - 48 Street, Edmonton
Alberta, Canada T6B 2R4
Phone: 877 962 2400

Sample		Contaminants ppm			Wear Metals ppm						Additives ppm													
Sample Number	Sample Date	Sodium	Potassium	Silicon	Aluminum	Iron	Copper	Lead	Tin	Chromium	Nickel	Titanium	Silver	Vanadium	Antimony	Beryllium	Calcium	Zinc	Phosphorus	Magnesium	Molybdenum	Boron	Barium	Lithium
Ref. Sample	2009/04/11	0	2	5	0	0	0	0	0	0	0	4	0	0	0	0	2850	1070	984	16	87	248	0	0
08/03-099	2010/07/29	5	1	47U	6	44	5	10	1	1	0	0	0	0	1	0	3024	1047	992	18	90	216	0	0
07/19-299	2010/07/18	6	2	111S	24R	112R	13	22R	3	4	0	0	0	0	0	0	2922	992	972	16	74	220	0	0
04/07-439	2010/04/07	7	2	118S	12	57	12	16R	2	4	0	3	0	0	1	0	2500	971	801	11	5	208	0	1
05/28-719	2009/05/28	1	1	84S	45U	101R	41U	105S	0	70S	0	0	0	0	0	0	2640	846	720	25	88	111	0	0
11/07-126	2008/11/07	7	1	9	4	29	12	25	1	2	1	0	0	0	0	0	2623	851	719	18	92	86	0	0
04/04-1115	2008/04/02	2	1	9	3	28	12	19	0	4	0	1	0	0	0	0	2450	831	696	37	94	45	0	0

Sample Information

Sample Date	Oil Mfr.	Oil Brand	Oil Grade	Comp. Service	Oil Service	Units	Oil Chg
Ref. Sample	MOB	European	0W40				
2010/07/29	MOB	European	0W40	?		KM	Y
2010/07/18	MOB	European	0W40	?		KM	Y
2010/04/07	PEN	M.V.	10W30	1500	1500	KM	Y
2009/05/28	MOB	1	10W30	235676	617	KM	Y
2008/11/07	MOB	1	10W30	235059	7059	KM	Y
2008/04/02	MOB	1	10W30	228000	5000	KM	Y

Physical Tests

Visc 40°C cSt	Visc 100°C cSt	Visc Index	Water	Glycol %	Fuel %
75.4	13.77	189			
69.0R	12.08R	174	N	N	1.77R
61.9R	11.14R	175	PR	N	2.07R
54.1R	8.57R	134	PR	N	1.76R
53.9R	9.21R	153	N	N	2.38R
49.4R	8.78R	158	PR	N	4.91R
58.2R	9.28R	140	N	N	0.78

Results

- 2010/07/29** Fuel, Viscosity at 40°C and Viscosity at 100°C can cause dramatic reductions in component life. Also, note the flagged element Silicon.
- 2010/07/18** Fuel, Water, Viscosity at 40°C and Viscosity at 100°C can cause dramatic reductions in component life. Also, note the flagged elements Silicon, Iron, Lead and Aluminum.
- 2010/04/07** Fuel, Water, Viscosity at 40°C and Viscosity at 100°C can cause dramatic reductions in component life. Also, note the flagged elements Silicon and Lead.
- 2009/05/28** Fuel, Viscosity at 40°C and Viscosity at 100°C can cause dramatic reductions in component life. Also, note the flagged elements Silicon, Chromium, Lead, Copper, Aluminum and Iron.
- 2008/11/07** Fuel, Water, Viscosity at 40°C and Viscosity at 100°C flagged for your attention.
- 2008/04/02** Viscosity at 40°C and Viscosity at 100°C flagged for your attention.

Recommendations

- 2010/07/29** Assess all causes of viscosity dilution - fuel leak, excess idling, wrong lube used, sample contaminated, over heating. Check dirt sources - plugged air filter or intake leak, new or rebuilt system, gasket, coolant, or contaminated sample. Resample mid - interval to monitor. Notes: Oil Change, re-used filter 60U00
- 2010/07/18** Assess all causes of viscosity dilution - fuel leak, excess idling, wrong lube used, sample contaminated, over heating. Check dirt sources - plugged air filter or intake leak, new or rebuilt system, gasket, coolant, or contaminated sample. Customer emailed, called or faxed. Notes: 60U00 filter changed Added 5.5L Mobil1 0W40
- 2010/04/07** Assess all causes of viscosity dilution - fuel leak, excess idling, wrong lube used, sample

Key: Y - Yes N - Negative P - Positive R - Reportable U - Unacceptable S - Severe I - Insufficient Sample > - More Than < - Less Than

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