

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 # : JN1CZ24S2LX000249
Model : Z32

Lubricant

Manufacturer : MOBIL
Brand : MOBIL 1
Grade : 15W50
Sample : 10/07-3

FLUID LIFE

EQUIPMENT RELIABILITY SERVICES

Oil Analysis

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

Lab Tracking # : 1 - 448434

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
Mfg Typical	2010/06/03																							
10/07-003	2014/10/05	6	2	37	4	29	11	13	2	5	0	0	0	0	0	0	2310	1180	1160	238	105	89	0	0
05/03-557	2013/04/29	12	2	113R	7	26	19	15	1	3	0	0	0	0	0	0	2810	917	892	63	98	178	0	0
06/22-001	2012/06/21	12	2	96R	6	19	10	8	1	2	0	0	0	0	0	0	2790	1010	926	67	103	203	0	1
09/07-001	2011/09/06	4	2	19	10	137R	68R	98R	8R	3	3	0	0	0	0	0	3487	1038	1017	19	90	230	0	0
06/06-097	2011/06/02	6	1	46	8	63	8	15	3	2	0	0	0	0	0	0	3175	1048	1028	17	92	199	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

Sample Information

Sample Date	Oil Mfr.	Oil Brand	Oil Grade	Comp. Service	Oil Service	Units	Oil Chg
Mfg Typical	MOB	MOB1	15W50				
2014/10/05	MOB	MOB1	15W50	12819	3314	KM	Y
2013/04/29	MOB	MOB1	0W40	9505	1150	KM	Y
2012/06/21	MOB	MOB1	0W40	8825	470	KM	N
2011/09/06	MOB	European	0W40	8355	1231	KM	Y
2011/06/02	MOB	European	0W40	7124		KM	Y
2010/07/29	MOB	European	0W40	?		KM	Y

Physical Tests

Visc 40°C cSt	Visc 100°C cSt	Visc Index	Water	Glycol %	Fuel %
131	18.10	154	N		
108R	14.91R	144	N	N	N
61.7R	10.99R	172	N	N	3.20R
64.3R	11.57R	177	N	N	0.99
67.1R	12.39R	186	N	N	1.31R
66.1R	12.31R	187	PU	N	2.56R
69.0R	12.08R	174	N	N	1.77R

Results

- 2014/10/05** Viscosity at 40°C and Viscosity at 100°C flagged for your attention.
- 2013/04/29** Note Fuel, Viscosity at 40°C and Viscosity at 100°C and flagged element Silicon.
- 2012/06/21** Note Viscosity at 40°C and Viscosity at 100°C and flagged element Silicon.
- 2011/09/06** Note Fuel, Viscosity at 40°C and Viscosity at 100°C and flagged elements Iron, Lead, Copper and Tin.
- 2011/06/02** Note Water, Fuel, Viscosity at 40°C and Viscosity at 100°C.
- 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.

Recommendations

- 2014/10/05** Check causes of oil breakdown - overheating, poor cooling, wrong lube, excessive service or contaminated sample. Resample next interval to monitor.
- 2013/04/29** 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.
- 2012/06/21** Check causes of oil breakdown - overheating, poor cooling, wrong lube, excessive service or contaminated sample. Check dirt sources - plugged air filter or intake leak, new or rebuilt system, gasket, coolant, or contaminated sample. Resample next interval to monitor.

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

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Trend Analysis

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Your Sample Rank



Sample rank ranges from zero to ten. The higher the sample rank, the more abnormal the sample results are.

Top Trends Analysis

Cr Test Rank **6.4**

Pb Test Rank **5.7**

Si Test Rank **4.5**

Fe Test Rank **3.3**

