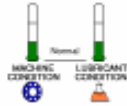




NORMAL

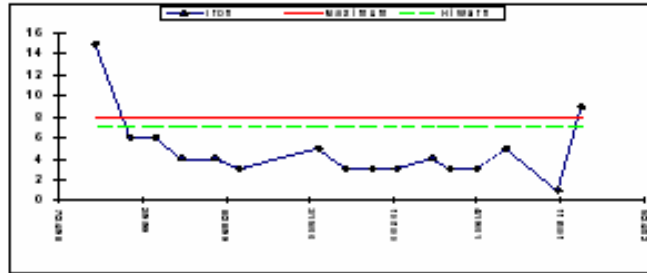
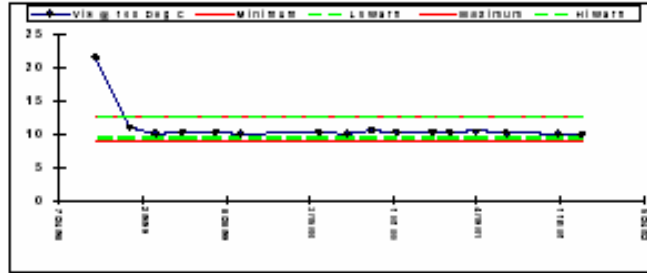
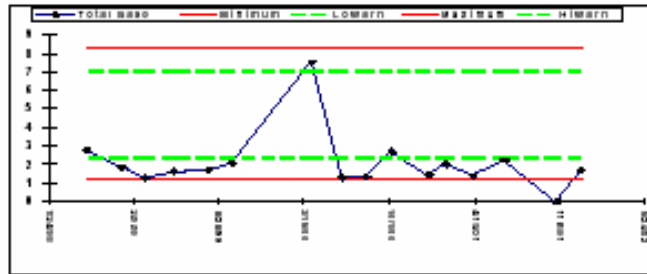


Lab Number : Q33440

S70VOLVO : 1998 Volvo T5
 Volvo Engine, Gasoline
 Unit Type: VV_GL001 Volvo
 Oil Type: CL_005 Castrol GTX
 Shipped : 12/26/01 Received: 12/27/01 Printed: 12/28/01 Posted: 01/03/02
 P.O. #: VERBAL

LuBoron, LLC
 1147 River Road
 Charlottesville, VA 22901

*NORMAL: Sample data is satisfactory. No action is required at this time.
 Resample at your regular sampling interval.*



Lab Number	Minimum	Maximum	Ref Oil	P72638	P82512	P94814	Q25442	Q33440
Sample Date			10/25/00	02/14/01	04/18/01	06/28/01	10/30/01	12/26/01
Unit Time				93643	100060	0	116782	120680
Oil Time				5922	6417	6055	5500	3898
Metals (ppm)								
Iron		8	<1	3	3	5	1	9
Aluminum		6	<1	2	2	4	1	2
Chromium		4	<1	<1	<1	<1	<1	2
Copper		6	<1	4	2	3	3	2
Lead		4	<1	<1	<1	<1	<1	1
Ti		4	<1	1	1	<1	<1	1
Nickel		4	<1	<1	<1	<1	<1	1
Silver		4	<1	<1	<1	<1	<1	<1
Silicon		20	2	4	3	<1	2	3
Sodium			<1	3	2	3	* 1	* 3
Boron			1	1	1	<1	<1	* 2
Zinc			879	931	897	867	1086	972
Phosphorus			735	763	709	804	826	769
Calcium			1610	2257	2330	2250	1879	1601
Magnesium			287	304	276	* 159	* 21	22
Barium			<1	<1	<1	<1	<1	<1
Molybdenum			94	86	87	81	* 49	42
Vanadium			<1	<1	<1	<1	<1	<1
Total Acid		4.48		1.96	2.20	2.14	2.22	1.95
Total Base	1.18	8.23	6.25	2.02	* 1.39	* 2.23	* <0.10	* 1.66
Oxidation Level		30	<2	5	7	5	5	9
Water %FTIR		0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitration Level		30	<2	9	13	12	10	11
PercentFuel		5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PercentGlycol		0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vis @ 100 Deg C	9.00	12.80	11.38	10.17	10.36	10.11	10.02	9.85