



EARLY WARNING

Example Customer  
Hatchwood Place  
Farnham Road  
Odiham, Hampshire RG29 1AB

For the attention of

Laboratory Report Reference    ABCD7305  
Laboratory Report Date        14-Mar-13  
Receipt Date                      12-Mar-13  
Sample Date §                    10-Mar-13

**Equipment Information**

Machine §  
Description §                      Engine  
Manufacturer §  
Model §  
Serial Number §  
Customer Reference §  
Analysis Date                    14-Mar-13  
Unique Code                      FFF.0001  
Oil Grade §                        Mobil Pegasus 805  
Site §

Comment

Sample Number	2	3	4 *	5	6	7	8 *	9	10	11 *	
Analysis Date	03-Jan-12	14-Mar-12	29-Jun-12	20-Sep-12	09-Oct-12	15-Nov-12	17-Jan-13	24-Jan-13	19-Feb-13	14-Mar-13	
Sample Date §	11-Dec-11	11-Mar-12	23-Jun-12	15-Sep-12	06-Oct-12	12-Nov-12	11-Dec-12	15-Jan-13	16-Feb-13	10-Mar-13	
Lab Reference	ABCD5560-2	ABCD5823	ABCD6118	ABCD6361	ABCD6436	ABCD6607	ABCD6858	ABCD6881	ABCD7105	ABCD7305	
Unit Life §	-	-	-	-	-	-	-	-	-	-	
Oil Life §	-	-	-	-	-	-	-	-	-	-	
Oil Added §	-	-	-	-	-	-	-	-	-	-	
Ticket Number §	-	-	-	-	-	-	-	-	-	-	
<b>Physical Condition</b>											
Viscosity at 40°C (M002)	cSt	150	146	167	142	146	154	158	158	153	156
Viscosity at 100°C (M002)	cSt	14.7	14.6	15.7	14.1	14.5	14.9	15.2	14.9	14.9	15.2
TAN (M007)	mgKOH/g	1.93	1.73	4.11 *	1.83	2.06	3.03	3.15	2.72	2.50	2.45
TBN (M006)	mgKOH/g	3.9	4.1	2.6 *	3.7	3.7	3.3	3.0 *	3.2	3.6	3.0 *
IpH (M016)	pH Units	6.85	6.22	4.90	6.94	5.99	5.55	5.21	5.66	5.91	5.35
Oxidation (M017)	Abs/cm	9	8	19	6	9	15	16	17	16	19
Nitration (M017)	Abs/cm	<1	<1	4	<1	<1	<1	1	<1	<1	<1
Water (M017/23/26)	% wt	<0.05	<0.05	<0.05	<0.05	-0.029	<0.05	<0.05	<0.05	<0.05	<0.05
Glycol (M017)	POS/NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
Sulphur (M015)	ppm	4300	4200	6200	4400	4500	5500	6000	6400	6700	6900
Chlorine (M015)	ppm	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
<b>Spectrographic Analysis</b>											
Iron (M019)	ppm	5	3	5	2	3	3	3	5	3	4
Aluminium (M019)	ppm	3	2	1	1	3	2	2	2	1	2
Chromium (M019)	ppm	1	<1	2	<1	<1	<1	<1	1	<1	<1
Copper (M019)	ppm	6	3	10	3	5	6	8	11	10	10
Lead (M019)	ppm	2	<1	6	<1	<1	1	2	1	2	2
Tin (M019)	ppm	<1	1	<1	<1	<1	<1	<1	<1	<1	<1
Silicon (M019)	ppm	2	2	2	2	2	2	2	2	2	2
Sodium (M019)	ppm	2	2	1	<1	2	<1	<1	1	<1	<1
Boron (M019)	ppm	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Potassium (M019)	ppm										
Manganese (M019)	ppm	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Molybdenum (M019)	ppm	1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Nickel (M019)	ppm	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Silver (M019)	ppm	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Titanium (M019)	ppm	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phosphorus (M019)	% wt	0.0328	0.0313	0.0345	0.0331	0.0356	0.0334	0.0300	0.0290	0.0330	0.0301
Zinc (M019)	% wt	0.0414	0.0363	0.0411	0.0378	0.0415	0.0395	0.0368	0.0364	0.0371	0.0371
Calcium (M019)	% wt	0.1414	0.1381	0.1390	0.1274	0.1520	0.1436	0.1359	0.1263	0.1459	0.1390
Magnesium (M019)	% wt	0.0008	0.0007	0.0006	0.0007	0.0007	0.0007	0.0006	0.0005	0.0005	0.0005

APPROVED BY:  
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