



# TelLab

### Demo

Location: Demo  
 Unit ID: **Demo No. 1 Generator E1020787**  
 Model:  
 Machine Type: Engine, Diesel: Liquid-Cooled



Wear appears satisfactory.No Significant signs of contamination.Advice: Monitor at the next sampling period.

KR, 10 Apr 2015

Oil	Maxol 1640 HD	Sample ID		44B138 (P3544)	42E4E7 (P1840)	41A080 (P667)	3C0373 (N8512)	393709 (N5829)
Note:		Sampled on		24 Mar 2015	09 Feb 2015	15 Dec 2014	04 Aug 2014	31 May 2014
		Received on		07 Apr 2015	17 Feb 2015	16 Jan 2015	15 Aug 2014	04 Jun 2014
		Km Total		31487	30976			29500
		Km Oil		490	478			500
		Top up (l.)						
			Warning Limits	●	⊘	●	⊘	●
ASTM D6595-00 WEAR METALS	Iron	ppm	75	8	6	5	22	15
	Chromium	ppm	10	<1	<1	<1	1	<1
	Nickel	ppm		<1	<1	<1	<1	<1
	Molybdenum	ppm		2	2	1	3	2
	Aluminium	ppm		2	2	2	3	2
	Lead	ppm	10	1	<1	1	5	3
	Copper	ppm	10	<1	<1	<1	2	2
	Tin	ppm	5	<1	<1	<1	<1	<1
	Silver	ppm		<1	<1	<1	<1	<1
	Titanium	ppm		<1	<1	<1	<1	<1
ASTM D6595-00 CONTAMINANTS	Silicon	ppm	10	6	5	3	7	7
	Sodium	ppm	10	3	3	3	<b>17</b>	3
	Vanadium	ppm		<1	<1	<1	<1	<1
ASTM D6595-00 ADDITIVES	Calcium	ppm		4126	4099	3971	4186	4463
	Magnesium	ppm		28	23	18	23	21
	Phosphorus	ppm		403	399	126	462	518
	Zinc	ppm		605	567	584	661	593
	Barium	ppm		<1	<1	<1	<1	<1
	Boron	ppm		2	1	<1	<1	<1
ASTM D445	Viscosity at 40°C	cSt	131 - 162	150	148	139	160	151
	Viscosity at 100°C	cSt		15.0	15.0	14.0	15.9	15.8
ASTM E2412	TBN	mg KOH/g	<5.00	11.85	6.49	8.93	8.39	7.36
	Water	ppm	1000.0	270.9	<10.0	573.9	<b>1295.4</b>	377.0
	OX	abs/mm2		10.1	8.2	9.9	16.2	14.4
	Glycol (Antifreeze)	%		0.0	0.2	0.2	0.8	0.6
	Soot	%wt		0.0	0.0	0.0	0.0	0.0
	Fuel Dilution	%		0.0	0.0	0.0	0.0	0.0

Date 15 Sep 2015