



# TellLab

### Demo

Location: Demo  
 Unit ID: IS5  
 Model: Iveco - 150E24F/P  
 Machine Type: Engine, Diesel: Liquid-Cooled



High copper level suggests bearing wear present or possible leaching from oil cooler. Elevated sodium and high water levels suggest coolant contamination. Advise : Change oil if not changed when oil sample was taken. Re-sample at next service interval.

KR, 15 Jul 2015

Oil	Castrol	Enduron Low SAPS	Sample ID	48A602 (P7266)	44C7E0 (P3680)	369BAD (N3286)	2F5101 (M10000)	284B4D (M3742)
Note:			Sampled on	22 Jun 2015	03 Mar 2015	20 Mar 2014	04 Sep 2013	07 Mar 2013
			Received on	14 Jul 2015	08 Apr 2015	02 Apr 2014	20 Sep 2013	02 Apr 2013
			Km Total	222327	216748	191670	177257	168845
			Km Oil					
			Top up (l.)					
				⊘	⊘	⊘	●	●
				Warning Limits				
				⊘	⊘	⊘	●	●
				100	50	103	82	13
				ppm	ppm	ppm	ppm	ppm
				Iron	4	8	8	<1
				10	1	<1	<1	<1
				ppm	ppm	ppm	ppm	ppm
				Chromium	47	44	47	49
				100	4	5	3	3
				ppm	ppm	ppm	ppm	ppm
				Nickel	18	34	50	4
				20	7	4	2	2
				ppm	ppm	ppm	ppm	ppm
				Molybdenum	<1	<1	<1	<1
				10	<1	<1	<1	<1
				ppm	ppm	ppm	ppm	ppm
				Aluminium	<1	<1	<1	<1
				15	<1	<1	<1	<1
				ppm	ppm	ppm	ppm	ppm
				Lead	7	8	7	4
				20	8	7	5	5
				ppm	ppm	ppm	ppm	ppm
				Copper	<1	<1	<1	<1
				10	<1	<1	<1	<1
				ppm	ppm	ppm	ppm	ppm
				Tin	1730	1794	1657	1440
				20	687	655	688	629
				ppm	ppm	ppm	ppm	ppm
				Silver	939	953	877	794
				15	964	921	959	929
				ppm	ppm	ppm	ppm	ppm
				Titanium	<1	<1	<1	<1
				100	<1	<1	<1	<1
				ppm	ppm	ppm	ppm	ppm
				Silicon	50	56	75	79
				20	50	56	75	79
				ppm	ppm	ppm	ppm	ppm
				Sodium	1730	1794	1657	1440
				15	687	655	688	629
				ppm	ppm	ppm	ppm	ppm
				Vanadium	939	953	877	794
				15	964	921	959	929
				ppm	ppm	ppm	ppm	ppm
				Calcium	<1	<1	<1	<1
				100	<1	<1	<1	<1
				ppm	ppm	ppm	ppm	ppm
				Magnesium	50	56	75	79
				100	50	56	75	79
				ppm	ppm	ppm	ppm	ppm
				Phosphorus	1730	1794	1657	1440
				15	687	655	688	629
				ppm	ppm	ppm	ppm	ppm
				Zinc	939	953	877	794
				100	964	921	959	929
				ppm	ppm	ppm	ppm	ppm
				Barium	<1	<1	<1	<1
				100	<1	<1	<1	<1
				ppm	ppm	ppm	ppm	ppm
				Boron	1730	1794	1657	1440
				72 - 97	687	655	688	629
				cSt	ppm	ppm	ppm	ppm
				Viscosity at 40°C	10.27	8.28	7.72	9.83
				10.9 - 14.8	1052.9	1083.8	471.9	290.3
				cSt	ppm	ppm	ppm	ppm
				Viscosity at 100Å°C	17.7	21.0	21.0	12.6
				1000.0	0.0	0.0	0.0	0.0
				mg KOH/g	0.0	0.0	0.0	0.0
				TBN	0.4	1.0	1.1	0.2
				3.0	0.0	0.0	0.0	0.0
				ppm	ppm	ppm	ppm	ppm
				Water	17.7	21.0	21.0	12.6
				1000.0	0.0	0.0	0.0	0.0
				ppm	ppm	ppm	ppm	ppm
				OX	0.0	0.0	0.0	0.0
				3.0	0.4	1.0	1.1	0.2
				%wt	0.0	0.0	0.0	0.0
				Glycol (Antifreeze)	0.0	0.0	0.0	0.0
				3.0	0.4	1.0	1.1	0.2
				%	0.0	0.0	0.0	0.0
				Soot	0.0	0.0	0.0	0.0
				3.0	0.4	1.0	1.1	0.2
				%	0.0	0.0	0.0	0.0
				Fuel Dilution	0.0	0.0	0.0	0.0
				3.0	0.4	1.0	1.1	0.2
				%	0.0	0.0	0.0	0.0

Date 02 Oct 2015