

Overall report severity based on comments.

Account Information		Component Information		Sample Information	
Account Number: ONLINE-2349-0000 Company Name: PATRICK YERBY Contact: PATRICK YERBY Address: 18C BROZZINI COURT GREENVILLE, SC 29615 US Phone Number: 864-756-1853		Component ID: 2000 LAND ROVER ENGINE Secondary ID: Component Type: DIESEL ENGINE Manufacturer: LANDROVER Model: FLAT TAPPET Application: UNKNOWN Sump Capacity: 0 qt		Tracking Number: 13094R00556 Lab Number: A-479380 Lab Location: Atlanta Data Analyst: JDT Sampled: 03-Oct-2014 Received: 07-Oct-2014 Completed: 14-Oct-2014	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: Missing Information Micron Rating: 0				Product Manufacturer: PEAK Product Name: Viscosity Grade: SAE 15W40	
Comments		Suggest Inspecting this unit for SEVERE PISTON wear; LUBRICANT and FILTER CHANGE is suggested if not done at sampling time. Piston metal is at a SEVERE LEVEL; Cylinder region metals (pistons, rings, liners etc.) are at a SIGNIFICANT LEVEL; LEAD is at a MODERATE LEVEL and may be OVERLAY METAL from MAIN/ROD BEARINGS; Abrasives (silicon/dirt) are at a MODERATE LEVEL; Sodium is at a MINOR LEVEL; Sodium sources: coolant (antifreeze), lube additive or supplement, and/or environmental contaminant; Please provide missing FLUID PRODUCT NAME to compare data to the correct standards.			

Sample #	Wear Metals (ppm)										Contaminant Metals (ppm)		Multi-Source Metals (ppm)					Additive Metals (ppm)						
	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorous	Zinc
1	203	7	3	180	18	29	25	0	0	0	48	99	11	0	37	0	1	0	13	620	1655	0	957	1259

Sample #	Sample Information							Contaminants			Fluid Properties					
	Date Sampled	Date Received	Lube Time	Unit Time	Lube Change	Lube Added	Filter Change	Fuel Dilution	Soot	Water	Viscosity 40°C	Viscosity 100 °C	Acid Number	Base Number	Oxidation	Nitration
			mi	mi		qt		% Vol	% Vol	% Vol	cSt	cSt	mg KOH/g	mg KOH/g	abs/cm	abs/0.1 mm
1	03-Oct-2014	07-Oct-2014	5000	184000	No	0	No	<1 - Estimate	<.1	<.1 - FTIR		14.9				

Sample #	Particle Count (particles/mL)										Additional Testing
	ISO Code	> 4 µm	> 6 µm	> 10 µm	> 14 µm	> 21 µm	> 38 µm	> 70 µm	> 100 µm	Test Method	
1	//										

Comments are advisory only and are based on the assumption that the sample and data submitted are valid. Missing fluid or component information limits the evaluation. No warranty is expressed or implied.

Historical Comments