Monitor™ Lubricant Analysis Report

Cummins Filtration
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Nashville, TN 37214

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0	1	2	3	4
NORMAL		ABNORMAL		CRITICAL

Overall report severity based on comments.

Account Information		Component Information		Sample Information	
Account Number:	MONITR-7777-1324	Component ID:	15268D02219 E	Tracking Number:	15268D02219
Company Name:	KYLE FISHER	Secondary ID:		Lab Number:	I-109323
Contact:		Component Type:	DIESEL ENGINE	Lab Location:	Indianapolis
Address:	11951 S PITTSFORD RD	Manufacturer:	CUMMINS	Data Analyst:	JDT
	PITTSFORD, MI 49271 US	Model:	N14	Sampled:	30-Apr-2017
Phone Number:	254-644-9778	Application:	O-T-R TRUCKING	Received:	**15-May-2017**
		Sump Capacity:	9 gal	Completed:	17-May-2017

Filter Information		Miscellaneous Information	Product Information	
Filter Type:	KIDNEY LOOP		Product Manufacturer:	Information Requested
Micron Rating:	0		Product Name:	Information Requested
			Viscosity Grade:	SAE 15W40

Comments	Check for source of FUEL LEAK. Fuel is at a SEVERE LEVEL. Fuel dilution may be caused by component faults related to injectors, ignition/timing, or excessive blow-by. Additional causes include heavy throttle application, engine lugging, frequent short trips and excessive idling. LUBRICANT and FILTER CHANGE is suggested if not done at sampling time. FUEL DILUTION has caused viscosity to decrease moderately; FUEL DILUTION reduces the viscosity of the lubricant which decreases FILM STRENGTH and LUBRICITY and may lead to increased wear. Please provide missing lubricant information. Manufacturer, product name, and viscosity grade are needed to properly evaluate lubricant properties.

	Wear Metals (ppm)										Contaminant Metals (ppm)			Multi-Source Metals (ppm)						Additive Metals (ppm)				
Sample #	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
1	13	3	0	1	0	2	0	0	0	0	7	5	1	0	51	0	0	0	0	793	819	0	787	999

	Sample Information							Contaminants			Fluid Properties					
Sample #	Date Sampled	Date Received	Lube Time mi	Unit Time mi	Lube Change	Lube Added gal	Filter Change	Fuel Dilution % Vol	Soot % Vol	Water % Vol	Viscosity 40°C cSt	Viscosity 100 °C cSt	Acid Number mg KOH/g	Base Number mg KOH/g	Oxidation abs/cm	Nitration abs/0.1 mm
1	30-Apr-2017	15-May-2017	9000	360000	No	0	No	**>10 - GC**	0.6 - E2412	<.1 - FTIR		10.8		6.07		

	Particle Count (particles/mL)										Additional Testing
Sample #	ISO Code Based On 4/6/14	> 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