

0	1	2	3	4
NORMAL		ABNORMAL		CRITICAL

Overall report severity based on comments.

Account Information		Component Information		Sample Information	
Account Number: Company Name: JOHN WESTENDORP Contact: JOHN WESTENDORP Address: Phone Number:		Component ID: 05 KENWORTH E Secondary ID: CAT ENGINE Component Type: DIESEL ENGINE Manufacturer: CATERPILLAR Model: C-15 Application: O-T-R TRUCKING Sump Capacity: 40 qt		Tracking Number: 11085Y02579 Lab Number: E-123300 Lab Location: Edmonton Data Analyst: RNF Sampled: 30-Sep-2011 Received: 06-Oct-2011 Completed: 07-Oct-2011	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: BYPASS Micron Rating: 4				Product Manufacturer: AMSOIL Product Name: AME SYN HD DIESEL & MARINE OIL Viscosity Grade: SAE 15W40	
Comments	Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. Iron is at a MINOR LEVEL. IRON SOURCES in engines can be cylinder liners, iron pistons, hardened steel camshafts, crankshafts, gears, hardened rocker arms, valve bridges, alloyed steel cam follower rollers, etc. Oil is suitable for continued use. Observe for trends in future tests.				

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	18	0	0	0	0	0	0	0	0	0	4	2	1	0	0	0	0	0	1	13	3281	0	1063	1209
2	45	2	1	5	2	1	0	0	0	0	4	1	2	0	0	0	0	0	1	10	3225	0	1051	1202
3	80	3	1	5	2	0	0	0	0	1	5	1	5	0	0	0	0	0	1	11	3295	0	1031	1226

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
			km	km		L		% Vol	% Vol	% Vol	cSt	cSt	mg KOH/g	mg KOH/g	abs/cm	abs/cm
1	17-Apr-2011	28-Apr-2011	35000	606000	No		No	<1 - Estimate	<.1	<.1 - FTIR		13.8		6.10	42	23
2	01-Jul-2011	13-Jul-2011	66000	637000	No	15	No	<1 - Estimate	<.1	<.1 - FTIR		13.8		5.91	36	22
3	30-Sep-2011	06-Oct-2011	104000	675000	No	15	No	<1 - Estimate	<.1	<.1 - FTIR		13.5		4.37	31	18

Sample #	Particle Count (particles/mL)										Additional Testing	
	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	//											
2	//											
3	//											

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.