

0	1	2	3	4
NORMAL	ABNORMAL		CRITICAL	

Overall report severity based on comments.

Account Information		Component Information		Sample Information	
Account Number: OILANA-7501-8827 Company Name: MARC HANNA Contact: Address: 703 ROBERT FERRIE DRIVE KITCHENER, ON CA Phone Number: 226-240-0774		Component ID: 08 R320 CD1 E Secondary ID: Component Type: DIESEL ENGINE Manufacturer: MERCEDES BENZ Model: OM642 Application: AUTOMOTIVE Sump Capacity: 10 L		Tracking Number: 15211503495 Lab Number: E-540922 Lab Location: Edmonton Data Analyst: RMF Sampled: 11-Sep-2016 Submitted: 12-Sep-2016 Received: 20-Sep-2016 Completed: 22-Sep-2016	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: FULLFLOW Micron Rating: 0				Product Manufacturer: AMSOIL Product Name: AFL EUROPEAN CAR FORMULA Viscosity Grade: SAE 5W40	
Comments	Data indicates no abnormal findings. Resample at normal interval. Oil is suitable for continued use. Your note was taken into consideration.				

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	Phosphorus	Zinc
1	26	0	0	2	2	0	0	0	0	0	7	2	4	0	71	1	0	0	201	17	1771	0	789	923
2	9	0	0	1	1	0	0	0	0	0	6	1	2	0	6	0	0	0	78	11	1738	0	738	864
3	18	0	0	1	2	0	0	0	0	0	5	2	0	0	8	0	0	0	74	13	1717	0	755	872

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/0.1 mm	
1	20-Jun-2016	27-Jun-2016	10110	109737	No	0	No	<1 - Estimate	<.1	<.1 - FTIR		12.3		4.48	29	9	
2	07-Aug-2016	12-Aug-2016	4500	115164	Yes	10	Yes	<1 - Estimate	<.1	<.1 - FTIR		13.5		6.05	9	8	
3	11-Sep-2016	20-Sep-2016	10070	120655	No	0	No	<1 - Estimate	<.1	<.1 - FTIR		13.4		5.38	11	9	

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.

Historical Comments		
1	Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. Calcium is slightly high for this lubricant. Your note was taken into consideration. Sample information has been added or tests have been rerun or additional testing was added and the report has been regenerated.	
2	Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. Flagged additive levels are lower than expected for the lubricant that is identified. (This does not imply that the lubricant does not meet proper API, SAE or ISO classifications.). Lubricant and filter change acknowledged. Sample information has been added or tests have been rerun or additional testing was added and the report has been regenerated.	

