

Overall report severity based on comments.

Account Information		Component Information		Sample Information	
Account Number: PLIEVR-0100-0000 Company Name: PLI ITALY Contact: Address: Phone Number:		Component ID: MOTORUOTA EPICICLOIDALE GR3 Secondary ID: COMER INDUSTRIES Component Type: REDUCTION GEAR Manufacturer: Information Requested Model: Information Requested Application: UNKNOWN Sump Capacity: 8 L		Tracking Number: R1733125136 Lab Number: Z-050109 Lab Location: Poznan Data Analyst: FLG Sampled: 25-Nov-2017 Submitted: 27-Nov-2017 Received: 29-Nov-2017 Completed: 29-Nov-2017	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: NONE Micron Rating:				Product Manufacturer: CAT Product Name: TDTO Viscosity Grade: SAE 30	
Comments	Data indicates no abnormal findings. Resample at normal interval. Unit hours/miles/kilometers conflicts with time from previous sample; Please provide COMPONENT MANUFACTURER and MODEL to compare data to the correct standards for this component.				

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	4	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0	0	0	0	23	2974	13	981	1213
2	6	0	0	0	0	0	0	0	0	0	5	2	1	0	0	0	0	0	0	23	2985	16	988	1217
3	5	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0	0	0	0	23	2960	6	975	1211
4	7	0	0	1	0	0	0	0	0	0	5	2	0	0	0	0	0	0	0	23	2928	5	970	1195

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	
			h	h		L		% Vol	% Vol	% Vol	cSt	cSt	mg KOH/g	mg KOH/g	abs/cm	abs/0.1 mm	
1	22-Nov-2017	29-Nov-2017	0	0	No	0	No			<.1 - Hotplate	95.3						
2	23-Nov-2017	29-Nov-2017	10	10	No	0	No			<.1 - Hotplate	96.3						
3	24-Nov-2017	29-Nov-2017	90	90	No	0	No			<.1 - Hotplate	95.9						
4	25-Nov-2017	29-Nov-2017	9	9	No	0	No			<.1 - Hotplate	96.4						

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	Appearance	Particle Quantifier
												Index Number
1	//										CLEAR	24
2	//										CLEAR	32
3	//										CLEAR	19
4	//										CLEAR	15

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. Measurement uncertainty available upon request.

Historical Comments	1	Data indicates no abnormal findings. Resample at normal interval. Please provide COMPONENT MANUFACTURER and MODEL to compare data to the correct standards for this component. Unit and/or lubricant TIME missing. Your note was taken into consideration.
	2	Data indicates no abnormal findings. Resample at normal interval. Please provide COMPONENT MANUFACTURER and MODEL to compare data to the correct standards for this component. Your note was taken into consideration.
	3	Data indicates no abnormal findings. Resample at normal interval. Please provide COMPONENT MANUFACTURER and MODEL to compare data to the correct standards for this component. Your note was taken into consideration.

