



Account Information	Sample Information	Other Sample Information
Lab Customer ID#: Company Name: Company Worksite: Company Address:	Lab No.: 201910160065 Sample Tracking #: Sample Date Oct 16, 2019 Received Date: Oct 17, 2019 Completed Date: Oct 18, 2019	PO No.: Work Order No.: Reference No.: Filter Age: 0 Make Up Oil Amount: 0
Unit Information	Component Information	Fluid Information
Unit ID: 2018 Mazda CX-9 AWD Unit Mfg: Mazda Unit Model: CX-9 Unit Serial #: Unit Worksite:	Cpnt. Description: GASOLINE ENGINE Cpnt. Mfg: Cpnt. Model: Cpnt. Serial #: Cpnt. Type: GASOLINE ENGINE	Fluid Manufacturer: PENNZOIL Fluid Brand/Product: ULTRA Fluid Grade: 5W30

Maintenance Recommendations for Lab No.: 201910160065

Evaluated By: John Zufelt - Data Analyst

ANALYSIS INDICATES COMPONENT & LUBRICANT CONDITIONS ARE ACCEPTABLE. RESAMPLE at the next scheduled interval.

SPECTROCHEMICAL ANALYSIS IN PARTS PER MILLION

		Wear Metals										Contaminants			Additives							
LAB NO.	SAMPLE DRAWN	Iron	Chromium	Nickel	Aluminum	Lead	Copper	Tin	Silver	Titanium	Vanadium	Silicon	Sodium	Potassium	Boron	Molybdenum	Phosphorus	Zinc	Calcium	Barium	Magnesium	Antimony
0065	10/16/19	15	<1	<1	2	1	3	1	<0.1	2	<1	21	1	2	64	51	663	728	2415	<1	13	1

SAMPLE INFORMATION

LAB NO.	SAMPLE DRAWN	UNIT TIME	FLUID TIME	UOM	FILTER CHG.	LUBE SERVICE
0065	10/16/19			HR	-	

FLUID PROPERTIES/CONTAMINANTS

Water	D7279 Vis 100 °C	D7279 Vis 40 °C	D2270 V.I.
<0.1	8.4	42.4	179

KEY: UoM - Unit of Measure Y - Yes N - No C - Changed S - Sampled > - Greater Than < - Less Than N/R - Not Reported (M) - Modified /method

Testing performed by Bureau Veritas®, an ISO/IEC 17025:2005 accredited laboratory. L-A-B accredited Certificate Number L2264. †: Not in scope of accreditation. For further details on outsourced testing, contact the laboratory directly. ‡: This test is run based on a trigger test, in this case "<" values indicate that the trigger test was either not positive or the result was below the reportable limit. For a list of trigger tests refer to <http://www.bureauveritas.com/oil-analysis>.

Notice: This analysis is intended as an aid in predicting mechanical wear. Test results, maintenance recommendations and accuracy are affected by customer provided samples, equipment identification, maintenance history and apply only to this sample as provided. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof. The ultimate responsibility for the maintenance of this piece of equipment and all of its components is the responsibility of the equipment owner.