



Account Information	Sample Information	Other Sample Information
Lab Customer ID#: 494281 Company Name: Rixx Motor Oil Company Worksite: Spring TX Company Address: 1300 Hercules Ave #105 Spring, TX, 77379	Lab No.: 202105130050 Sample Tracking #: Sample Date May 12, 2021 Received Date: May 13, 2021 Completed Date: May 16, 2021	PO No.: Work Order No.: Reference No.: 9034959
Unit Information	Component Information	Fluid Information
Unit ID: CASTROL EDGE 5W40 Unit Mfg: - Unit Model: - Unit Serial #: Unit Worksite:	Cpnt. Description: NEW OIL Cpnt. Mfg: - Cpnt. Model: - Cpnt. Serial #: Cpnt. Type: NEW OIL	Fluid Manufacturer: CASTROL Fluid Brand/Product: EDGE Fluid Grade: 5W40

Maintenance Recommendations for Lab No.: 202105130050

Evaluated By: **Lisbeth W. Hill - Data Analyst**

This is a REFERENCE SAMPLE. TEST RESULTS ARE SATISFACTORY for an engine oil 5w-40. (Based on the information available).

SPECTROCHEMICAL ANALYSIS PPM

LAB NO.	SAMPLE DRAWN	Wear Metals										Contaminants			Additives							
		Iron	Chromium	Nickel	Aluminum	Lead	Copper	Tin	Silver	Titanium	Vanadium	Silicon	Sodium	Potassium	Boron	Molybdenum	Phosphorus	Zinc	Calcium	Barium	Magnesium	Antimony
0050	05/12/2021	1	<1	<1	<1	<1	<1	<1	0.2	<1	<1	1	2	1	79	<1	927	1058	2667	<1	21	4

SAMPLE INFORMATION

LAB NO.	SAMPLE DRAWN	UNIT TIME	FLUID TIME	UOM	FILTER CHG.	LUBE SERVICE
0050	05/12/2021				-	

FLUID PROPERTIES/CONTAMINANTS

Water	D6304(KF) ppm	D7279 Vis 100 °C	D7279 Vis 40 °C	Viscosity Index	Total Acid Number mg KOH/g	TBN	Particles >4µm
<0.1	1571	14.3	83.1	179	1.57	8.86	145

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

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.

Testing performed by Bureau Veritas, an ISO/IEC 17025:2017 accredited laboratory by ANAB. Certificate and scope of accredited methods can be found at <https://oil-testing.com/iso-17025-quality-program/>. †: Not in scope of accreditation. For further details on outsourced testing, contact the laboratory directly. For a list of tests and associated methodologies, refer to <http://www.bureauveritas.com/oil-analysis>.

FLUID PROPERTIES/CONTAMINANTS									
Particles >6µm	Particles >14µm	Particles >21µm	Particles >38µm	Particles >70µm	ISO Code	DR Large >5µm Index	DR Small <2µm Index	Total Wear Index	Ferrous Particles % Large
19	3	2	1	1	14/11/9	2.6	2.2	4.8	8.3