

Customer Information

CALVIN LAMB
 BOX 846
 MAIDSTONE, SASKATCHEWAN
 S0M 1M0
 Attention : CALVIN LAMB
 Phone : (306) 893-4117

Unit Information

Unit # : 2018 F150
 Component : ENGINE
 Location :
 Manufacturer : FORD
 Serial # : 1FTFW1EG5JFC34959
 Model : 3.5L ECOBOOST

Lubricant

Manufacturer : CONOCO
 Brand : SUPER ALL SEASON SYN. BLEND
 Grade : 5W30
 P.O. # : CC REC'D
 Sample : 07/17-849

FLUID LIFE

EQUIPMENT RELIABILITY SERVICES

Oil Analysis

4371 Savaryn Drive SW, Edmonton
 Alberta, Canada T6X 2E8
 Phone: 877 962 2400

Lab Tracking # : 30 - 66370

Sample		Contaminants ppm			Wear Metals ppm												Additives ppm							
Sample Number	Sample Date	Sodium	Potassium	Silicon	Aluminum	Iron	Copper	Lead	Tin	Chromium	Nickel	Titanium	Silver	Vanadium	Antimony	Beryllium	Calcium	Zinc	Phosphorus	Magnesium	Molybdenum	Boron	Barium	Lithium
Mfg Typical	2010/02/12																	850	770					
07/17-849	2018/06/28	7	4	82R	5	32	59R	2	0	1	0	0	0	0	0	0	2090	768	704	16	71	158	0	1

Sample Information

Sample Date	Oil Mfr.	Oil Brand	Oil Grade	Comp. Service	Oil Service	Units	Oil Chg
Mfg Typical	CON	SUPASSB	5W30				
2018/06/28	CON	SUPASSB	5W30	3904	3904	KM	Y

Physical Tests

Visc 40°C cSt	Visc 100°C cSt	Visc Index	Water	Glycol %	Fuel %	NIT (A/cm)	OX (A/cm)	Sul (A/cm)
65.0	10.80	157	N					
47.8R	8.29R	149	N	N	8.47U	-	-	-

Results

2018/06/28 Note Fuel, Viscosity at 40°C and Viscosity at 100°C and flagged elements Silicon and Copper. We are unable to perform Infrared (Nitration, Oxidation and/or Sulfation) analysis without a valid new oil reference. Please ensure that the full oil information is filled out and that the lab has a sample of the new oil on file.

Recommendations

2018/06/28 Assess all causes of viscosity dilution - fuel leak, excess idling, wrong lube used, sample contaminated, over heating. Silicon is typically an outside contaminant such as dirt/dust. It can also originate from seals and sealants in new or rebuilt engines. Change or filter lubricant if possible and if not already performed. Change filters if present on this component. Copper could originate as a wear metal from cam bushings, thrust washers, and/or cooler coils. Resample mid - interval to monitor.

Key: Y - Yes N - Negative P - Positive **R** - Reportable **U** - Unacceptable **S** - Severe I - Insufficient Sample > - More Than < - Less Than

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EQUIPMENT RELIABILITY SERVICES

Trend Analysis

4371 Savaryn Drive SW, Edmonton
 Alberta, Canada T6X 2E8
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Lab Tracking # : 30 - 66370

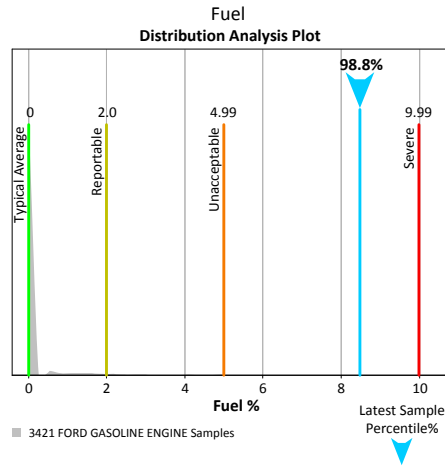
Your Sample Rank



Sample rank ranges from zero to ten. The higher the sample rank, the more abnormal the sample results are.

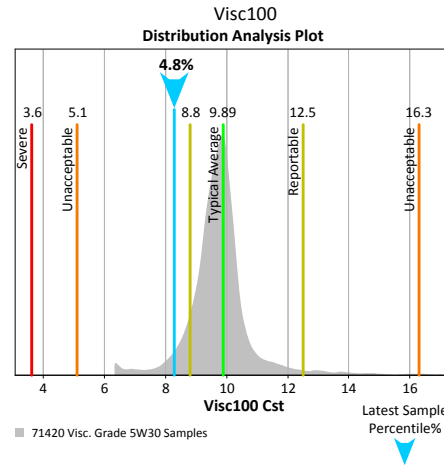
Top Trends Analysis

Fuel Test Rank 10



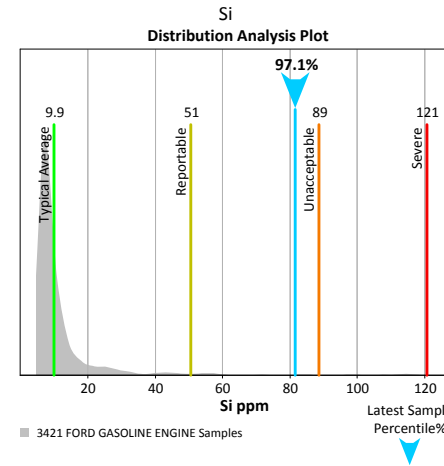
No trend analysis available.

Visc100 Test Rank 8.4



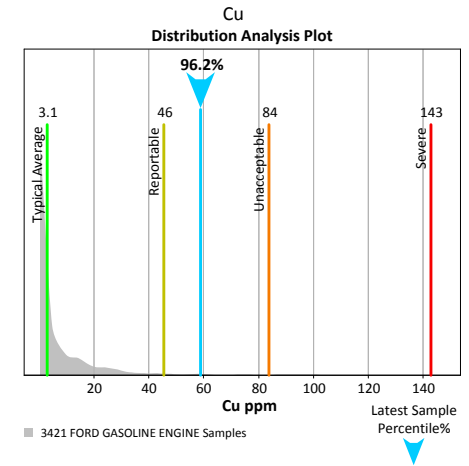
No trend analysis available.

Si Test Rank 6.0



No trend analysis available.

Cu Test Rank 5.9



No trend analysis available.