Lubricant Analysis Report

Oil Analyzers INC.

North America: +1-877-458-3315

0	1	2	3	4
NORMAL		ABNORMAL		CRITICAL

Overall report severity based on comments.

Account Information	Component Information	Sample Information
Account Number: OILANA-7503-2253	Component ID: 2022 MAVERICK MAIN E	Tracking Number: 23102M21998
Company Name:	Secondary ID: Maverick	Lab Number: I-708128
Contact:	Component Type: GASOLINE DIRECT INJECTION ENG.	Lab Location: Indianapolis
Address:	Manufacturer: FORD	Data Analyst: KDN
Phone Number:	Model: MAVERICK XLT ECOBOOST AWD	Sampled: 28-Oct-2023
	Application: AUTOMOTIVE	Submitted: 30-Oct-2023
	Sump Capacity: 6 qt	Received: 06-Nov-2023
		Completed: 14-Nov-2023

Filter Information	Miscellaneous Information	Product Information
Filter Type: CARTRIDGE		Product Manufacturer: AMSOIL
Micron Rating: 20		Product Name: ALB SIG. SERIES SYN MOTOR OIL
		Viscosity Grade: SAE 5W30

Comments

Maintenance action indicated at time of submission (fluid/filter change , filtration, etc.) will have corrected the issue this system is exhibiting. No further maintenance action is recommended at this time. However; Fuel dilution is at a SEVERE LEVEL; Viscosity is SEVERELY LOW. Causes include contamination, incorrectly identified viscosity grade, or adding a different viscosity grade to the component. Increased component wear possible. If grade is misidentified, it can be updated in HORIZON. High fuel dilution can be common in direct injected engines. Although fuel dilution is flagged at a high level there is no apparent wear. Continue to monitor trend. Silicon is at a MODERATE LEVEL; SILICON sources can be abrasives (dirt, Alumina Silica), seals and gasket material, lube additive or lube supplement, and/or environmental contaminant; Boron is slightly low for this lubricant. Boron levels may naturally decline with use so this is not a cause for concern.

	Wear Metals (ppm)										Contaminant Metals (ppm)			Multi-Source Metals (ppm)						Additive Metals (ppm)				
Sample #	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	8	0	0	7	11	0	0	0	0	0	40	7	11	0	201	0	1	0	81	833	1181	0	689	742

	Sample Information							Contaminants			Fluid Properties					
Sample #	Date Sampled	Date Received	Lube Time mi	Unit Time mi	Lube Change	Lube Added qt	Filter Change	Fuel Dilution %	Soot %	Water %	Viscosity 40°C cSt	Viscosity 100 °C cSt	Acid Number mg KOH / g	Base No. D4739 mg KOH / g	Oxidation abs / cm	Nitration abs / 0.1mm
1	28-Oct-2023	06-Nov-2023	5636	9705	Yes	0	Yes	>5 - GC	<.1	<.1 - FTIR		6.5		4.84	43	13

	Particle Count (particles/mL)										Additional Testing
Sample #	ISO Code Based On 4/6/14	> 4 particles / mL	> 6 particles / mL	> 10 particles / mL	> 14 particles / mL	> 21 particles / mL	> 38 particles / mL	> 70 particles / mL	> 100 particles / mL	Test Method	
1	/ /										