PROBLEM SUMMARY



Machine Id **433003** Component Front Natural Gas Engine

Fluid 15W40 CNG (--- LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS										
Sample Status				ATTENTION	NORMAL					
Visc @ 100°C	cSt	ASTM D445		<u> </u>	11.6					

Customer Id: GFL836 Sample No.: GFL0090636 Lab Number: 05930615 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u> There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

28 Jul 2023 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 433003

Component Front Natural Gas Engine Fluid 15W40 CNG (--- LTR)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0090636	GFL0087188	
Sample Date		Client Info		16 Aug 2023	28 Jul 2023	
Machine Age	hrs	Client Info		546	362	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				ATTENTION	NORMAL	
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	25	23	
Chromium	ppm	ASTM D5185m	>4	<1	<1	
Nickel	ppm	ASTM D5185m	>2	0	0	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>9	2	3	
Lead	ppm	ASTM D5185m	>30	2	2	
Copper	ppm	ASTM D5185m	>35	10	10	
Tin	ppm	ASTM D5185m	>4	1	<1	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		18	24	
Barium	ppm	ASTM D5185m		<1	0	
Molybdenum	ppm	ASTM D5185m		53	49	
Manganese	ppm	ASTM D5185m		4	4	
Magnesium	ppm	ASTM D5185m		815	767	
Calcium	ppm	ASTM D5185m		1214	1146	
Phosphorus	ppm	ASTM D5185m		658	665	
Zinc	ppm	ASTM D5185m		876	825	
Sulfur	ppm	ASTM D5185m		2582	2455	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	95	92	
Sodium	ppm	ASTM D5185m		6	5	
Potassium	ppm	ASTM D5185m	>20	7	6	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	
Nitration	Abs/cm	*ASTM D7624	>20	10.7	10.0	
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.1	20.0	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.5	18.0	
Base Number (BN)	mg KOH/g	ASTM D2896		5.7	6.3	



OIL ANALYSIS REPORT

method

limit/base

current

history1

history2

VISUAL







Report Id: GFL836 [WUSCAR] 05930615 (Generated: 08/23/2023 15:41:47) Rev: 1

Contact/Location: See also GFL823, 834, 837, 840 - Robert Hart - GFL836

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