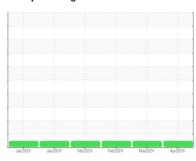


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
834090
Component
Natural Gas Engine
Fluid
{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

Metal levels are typical for a new component breaking in.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

		Jan2024	Jan 2024 Feb 2024	4 Feb2024 Mar2024	Apr2024	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0116559	GFL0111884	GFL0108304
Sample Date		Client Info		02 Apr 2024	11 Mar 2024	19 Feb 2024
Machine Age	hrs	Client Info		923	756	599
Oil Age	hrs	Client Info		923	756	599
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAI	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	72	55	57
Chromium	ppm	ASTM D5185m	>4	3	2	2
Nickel	ppm	ASTM D5185m	>2	3	1	2
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	59	40	36
Lead	ppm	ASTM D5185m	>30	<1	1	1
Copper	ppm	ASTM D5185m	>35	16	15	14
Tin	ppm	ASTM D5185m	>4	<1	1	1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		8	11	15
Barium	ppm	ASTM D5185m		2	1	0
Molybdenum	ppm	ASTM D5185m		63	57	60
Manganese	ppm	ASTM D5185m		13	12	12
Magnesium	ppm	ASTM D5185m		823	705	758
Calcium	ppm	ASTM D5185m		1428	1230	1304
Phosphorus	ppm	ASTM D5185m		739	665	713
Zinc	ppm	ASTM D5185m		995	867	978
Sulfur	ppm	ASTM D5185m		2862	2514	2388
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	24	26	27
Sodium	ppm	ASTM D5185m		7	6	6
Potassium	ppm	ASTM D5185m	>20	163	140	115
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	12.9	12.1	11.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.9	24.0	22.5
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.2	21.6	19.6
Doos Number (DNI)		ACTM DOOG		2.0	0.1	4.0

Base Number (BN) mg KOH/g ASTM D2896

2.8



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. **Lab Number** : 06138412 Unique Number : 10963220

Test Package : FLEET

: GFL0116559

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 04 Apr 2024 **Tested** Diagnosed

Mar11/24 -

Feb 19/24 -

: 05 Apr 2024 : 05 Apr 2024 - Wes Davis

0.0

GFL Environmental - 652 - Fredericksburg Hauling

10954 Houser Drive Fredericksburg, VA US 22408

Mar11/24

Contact: WILLIAM MILO wmilo@gflenv.com T:

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: GFL652 [WUSCAR] 06138412 (Generated: 04/05/2024 04:37:38) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

F: