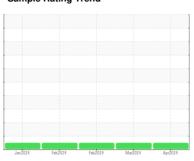


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
834101
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.

		Jan 2024	Feb 2024	Feb 2024 Mar 2024	Apr2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0116560	GFL0111854	GFL0111848
Sample Date		Client Info		02 Apr 2024	05 Mar 2024	22 Feb 2024
Machine Age	hrs	Client Info		716	584	490
Oil Age	hrs	Client Info		716	584	490
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	58	56	59
Chromium	ppm	ASTM D5185m	>4	4	3	2
Nickel	ppm	ASTM D5185m	>2	3	3	2
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	73	60	60
Lead	ppm	ASTM D5185m	>30	0	0	0
Copper	ppm	ASTM D5185m	>35	15	17	19
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		16	13	17
Barium	ppm	ASTM D5185m		2	2	11
Molybdenum	ppm	ASTM D5185m		65	65	68
Manganese	ppm	ASTM D5185m		14	14	15
Magnesium	ppm	ASTM D5185m		803	760	707
Calcium	ppm	ASTM D5185m		1394	1269	1126
Phosphorus	ppm	ASTM D5185m		705	636	673
Zinc	ppm	ASTM D5185m		977	865	864
Sulfur	ppm	ASTM D5185m		2903	2261	2387
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	26	33	34
Sodium	ppm	ASTM D5185m		7	7	3
Potassium	ppm	ASTM D5185m	>20	165	157	162
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	12.0	12.2	11.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.7	23.5	22.3
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.6	20.7	19.7
5 11 1 (51)	1/011/	40714 00000			0.0	0.0

Base Number (BN) mg KOH/g ASTM D2896

3.8



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number : 06138419 Unique Number : 10963227

: GFL0116560 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 04 Apr 2024 **Tested** : 05 Apr 2024

Diagnosed : 05 Apr 2024 - Wes Davis

Fredericksburg, VA US 22408 Contact: WILLIAM MILO

10954 Houser Drive

wmilo@gflenv.com

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)

T:

F: