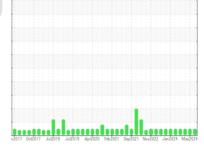


OIL ANALYSIS REPORT

Sample Rating Trend







DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

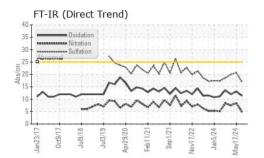
Fluid Condition

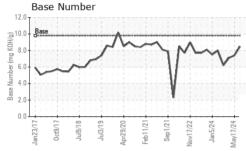
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

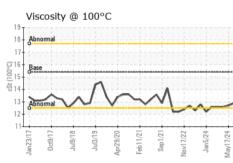
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number	W// (1101)	Client Info		GFL0116765	GFL0116758	GFL0116811	
Sample Date		Client Info		29 May 2024	17 May 2024	09 May 2024	
Machine Age	hrs	Client Info		36847	36797	36747	
Oil Age	hrs	Client Info		3109	3059	3009	
Oil Changed	1113	Client Info		Not Changd	N/A	N/A	
Sample Status		Ciletit iiiio		NORMAL	NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2	
	ION				· ·	•	
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	NEG	
Glycol		WC Method		NEG	NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2	
ron	ppm	ASTM D5185m	>120	5	23	21	
Chromium	ppm	ASTM D5185m	>20	0	<1	<1	
Nickel	ppm	ASTM D5185m	>5	0	0	0	
Titanium	ppm	ASTM D5185m	>2	0	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	0	
Aluminum	ppm	ASTM D5185m	>20	1	3	2	
_ead	ppm	ASTM D5185m	>40	<1	1	<1	
Copper	ppm	ASTM D5185m	>330	<1	0	4	
Γin	ppm	ASTM D5185m	>15	0	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	0	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	6	11	10	
Barium	ppm	ASTM D5185m	0	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	56	60	57	
Manganese	ppm	ASTM D5185m	0	<1	<1	1	
Magnesium	ppm	ASTM D5185m	1010	844	792	788	
Calcium	ppm	ASTM D5185m	1070	1124	1068	1114	
Phosphorus	ppm	ASTM D5185m	1150	985	950	927	
Zinc	ppm	ASTM D5185m	1270	1163	1119	1120	
Sulfur	ppm	ASTM D5185m	2060	3484	3202	3129	
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	0	5	5	
Sodium	ppm	ASTM D5185m		<1	1	2	
Potassium	ppm	ASTM D5185m	>20	<1	<1	0	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>4	0.5	2	2.2	
Nitration	Abs/cm	*ASTM D7624	>20	4.9	8.4	7.5	
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.0	20.7	20.0	
FLUID DEGRADATION method limit/base current history1 history2							
FLUID <u>DEGRAI</u>	<u> //OI</u> TAC	method	limit/base		history1	history2	
FLUID DEGRAI Oxidation	Abs/.1mm	*ASTM D7414	>25	current	13.1	12.0	



OIL ANALYSIS REPORT





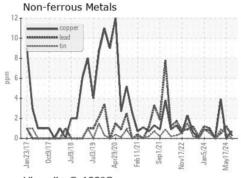


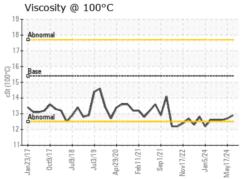
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

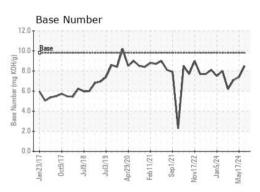
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	12.9	12.7	12.6	

GRAPHS

Ferrous Alloys 40











Certificate 12367

Laboratory Sample No.

: GFL0116765 Lab Number : 06198856 Unique Number : 11060979 Test Package : FLEET

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

Received : 04 Jun 2024 **Tested** : 05 Jun 2024

Diagnosed : 05 Jun 2024 - Wes Davis

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)

GFL Environmental - 009 - Fairburn

6905 Roosevelt Hwy Fairburn, GA

US 30213 Contact: Eric Jones erjones@gflenv.com

T: (678)630-9927

Submitted By: Eric Jones