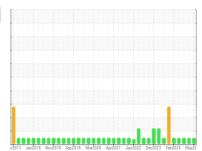


OIL ANALYSIS REPORT

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

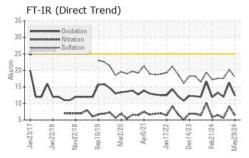
Fluid Condition

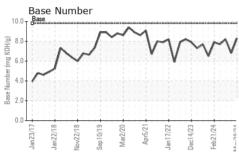
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

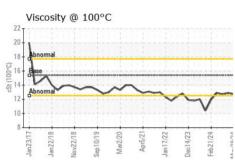
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0116767	GFL0116822	GFL0116746
Sample Date		Client Info		29 May 2024	17 May 2024	30 Apr 2024
Machine Age	hrs	Client Info		34733	34673	34544
Oil Age	hrs	Client Info		0	0	34544
Oil Changed	1110	Client Info		Not Changd	N/A	Not Changd
Sample Status		Onorte milo		NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
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 METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	10	13	4
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	<1	10	1
Lead	ppm	ASTM D5185m	>40	<1	<1	0
Copper	ppm	ASTM D5185m	>330	1	1	0
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	6	10
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	57	61	56
Manganese	ppm	ASTM D5185m	0	0	0	<1
Magnesium	ppm	ASTM D5185m	1010	829	847	810
Calcium	ppm	ASTM D5185m	1070	1134	1138	1065
Phosphorus	ppm	ASTM D5185m	1150	992	936	958
Zinc	ppm	ASTM D5185m	1270	1136	1202	1112
Sulfur	ppm	ASTM D5185m	2060	3339	2951	3230
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	4	2
Sodium	ppm	ASTM D5185m		<1	4	0
Potassium	ppm	ASTM D5185m	>20	0	24	0
		ام مالم مما	limit/base	current	history1	history2
INFRA-RED		method	mmil base	oanon		,
INFRA-RED Soot %	%	*ASTM D7844	>4	0.9	0.5	0.6
	% Abs/cm				•	
Soot %		*ASTM D7844	>4	0.9	0.5	0.6
Soot % Nitration	Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624	>4 >20	0.9 6.4	0.5 9.1	0.6 5.6
Soot % Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415	>4 >20 >30	0.9 6.4 18.0	0.5 9.1 20.2	0.6 5.6 17.6



OIL ANALYSIS REPORT



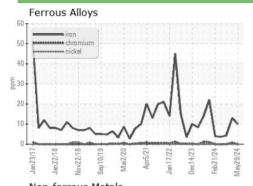


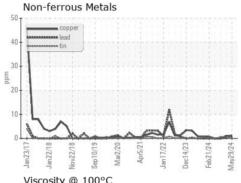


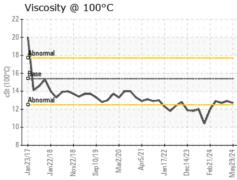
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

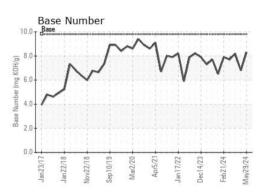
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	12.7	12.9	12.7

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0116767 Lab Number : 06198854 Unique Number : 11060977 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

GFL Environmental - 009 - Fairburn

6905 Roosevelt Hwy Fairburn, GA US 30213

Contact: Eric Jones erjones@gflenv.com T: (678)630-9927

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)