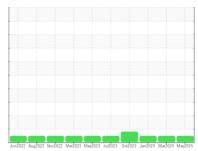


OIL ANALYSIS REPORT

Sample Rating Trend









DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

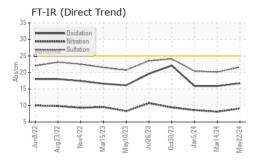
Fluid Condition

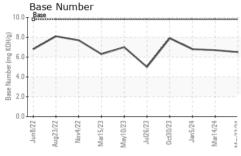
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

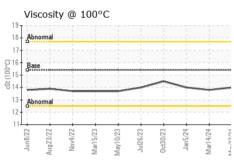
SAMPLE INFOR	AOLTAM	method	limit/base	current	history1	history2	
	W// Y T TOTY	Client Info	mmusacc	GFL0115204	GFL0115120	GFL0106641	
Sample Number Sample Date		Client Info		22 May 2024	14 Mar 2024	05 Jan 2024	
Machine Age	hrs	Client Info		8042	7464	6864	
Oil Age	hrs	Client Info		575	600	592	
Oil Changed	1113	Client Info		Changed	Changed	Changed	
Sample Status		Ollerit IIIIO		NORMAL	NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2	
Fuel	1011	WC Method	>3.0	<1.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	NEG	
Glycol		WC Method	>0.2	NEG	NEG	NEG	
•	0						
WEAR METAL	.S	method	limit/base	current	history1	history2	
ron	ppm	ASTM D5185m	>120	21	16	25	
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1	
Nickel	ppm	ASTM D5185m	>5	<1	<1	<1	
Titanium	ppm	ASTM D5185m		0	<1	<1	
Silver	ppm	ASTM D5185m	>2	<1	<1	0	
Aluminum	ppm	ASTM D5185m		2	3	2	
Lead	ppm	ASTM D5185m	>40	<1	<1	<1	
Copper	ppm		>330	2	4	3	
Tin	ppm	ASTM D5185m	>15	<1	<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	<1	1	0	
Barium	ppm	ASTM D5185m	0	0	2	0	
Molybdenum	ppm	ASTM D5185m	60	59	60	56	
Manganese	ppm	ASTM D5185m	0	<1	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	941	900	902	
Calcium	ppm	ASTM D5185m	1070	1027	1070	1016	
Phosphorus	ppm	ASTM D5185m	1150	981	961	924	
Zinc	ppm	ASTM D5185m	1270	1242	1196	1165	
Sulfur	ppm	ASTM D5185m	2060	2805	2813	2576	
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	4	4	4	
Sodium	ppm	ASTM D5185m		5	2	2	
Potassium	ppm	ASTM D5185m	>20	4	3	3	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>4	1.3	0.7	0.9	
Nitration	Abs/cm	*ASTM D7624	>20	9.1	8.1	8.6	
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.6	20.1	20.4	
FLUID DEGRADATION method limit/base current history1 history2							
FLUID DEGRAI	JATION				Thistory I	HISTOLYZ	
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	15.9	15.9	



OIL ANALYSIS REPORT



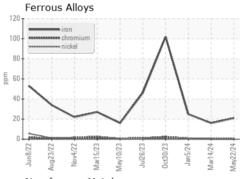


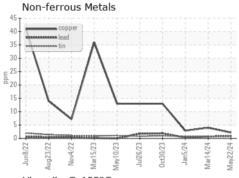


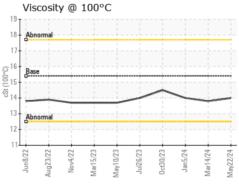
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

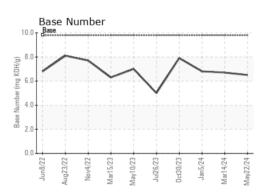
FLUID PROPI	ERIIES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.4	14.0	13.8	14.0

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0115204 Lab Number : 06193400 Unique Number : 11050152

Test Package : FLEET

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

Tested Diagnosed

Received : 28 May 2024 : 30 May 2024

: 30 May 2024 - Wes Davis

GFL Environmental - 405 - Arbor Hills 7811 Chubb Rd

NORTHVILLE, MI US 48168 Contact: Anthony Hopkins

ahopkins@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)

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