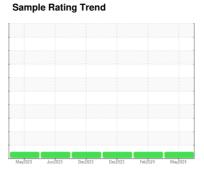


OIL ANALYSIS REPORT







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

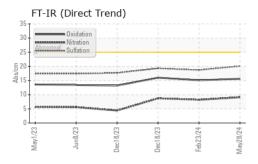
Fluid Condition

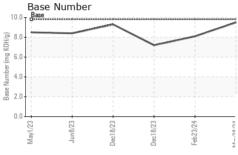
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

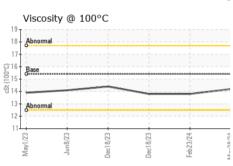
SAMPLE INFORMATION method Sample Number Client Info Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Oil Changed Client Info Sample Status CONTAMINATION method		current GFL0122522 28 May 2024 8856	history1 GFL0108898 23 Feb 2024	history2 GFL0105776 18 Dec 2023			
Sample Date Machine Age Oil Age Oil Changed Sample Status Client Info Client Info Client Info Client Info		28 May 2024	23 Feb 2024				
Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Oil Changed Client Info Sample Status		-		18 Dec 2023			
Machine Age hrs Client Info Oil Age hrs Client Info Oil Changed Client Info Sample Status		-					
Oil Age hrs Client Info Oil Changed Client Info Sample Status			1587	8783			
Sample Status		844	7939	0			
Sample Status		Not Changd	Changed	Not Changd			
CONTAMINATION method		NORMAL	NORMAL	NORMAL			
	limit/base	current	history1	history2			
Fuel WC Method	>5	<1.0	<1.0	<1.0			
Water WC Method	>0.2	NEG	NEG	NEG			
Glycol WC Method		NEG	NEG	NEG			
WEAR METALS method	limit/base	current	history1	history2			
lron ppm ASTM D5185m	>80	4	29	23			
Chromium ppm ASTM D5185m	>5	0	2	<1			
Nickel ppm ASTM D5185m	>2	0	<1	0			
Titanium ppm ASTM D5185m		0	<1	0			
Silver ppm ASTM D5185m	>3	0	0	0			
Aluminum ppm ASTM D5185m	>30	<1	5	5			
Lead ppm ASTM D5185m	>30	0	0	0			
Copper ppm ASTM D5185m	>150	0	1	5			
Tin ppm ASTM D5185m	>5	0	<1	0			
Vanadium ppm ASTM D5185m		0	0	0			
Cadmium ppm ASTM D5185m		0	<1	0			
ADDITIVES method	limit/base	current	history1	history2			
Boron ppm ASTM D5185m	0	2	1	2			
Barium ppm ASTM D5185m	0	0	0	0			
Molybdenum ppm ASTM D5185m		57	59	57			
Manganese ppm ASTM D5185m	0	0	<1	0			
Magnesium ppm ASTM D5185m		913	957	887			
Calcium ppm ASTM D5185m	1070	992	1075	1023			
Phosphorus ppm ASTM D5185m		990	1074	856			
Zinc ppm ASTM D5185m		1187	1289	1153			
Sulfur ppm ASTM D5185m	2060	3415	3241	2861			
CONTAMINANTS method	limit/base	current	history1	history2			
Silicon ppm ASTM D5185m		5	10	8			
Sodium ppm ASTM D5185m		39	4	2			
Potassium ppm ASTM D5185m	>20	<1	7	11			
INFRA-RED method	limit/base	current	history1	history2			
Soot % % *ASTM D7844		0.4	0.3	0.4			
Nitration Abs/cm *ASTM D7624	>20	9.1	8.2	8.7			
Sulfation Abs/.1mm *ASTM D7415	>30	20.1	18.7	19.3			
FLUID DEGRADATION method limit/base current history1 history2							
FLUID DEGRADATION method	limit/base	oarront	Tilstory	HISTOLYZ			
FLUID DEGRADATION method Oxidation Abs/.1mm *ASTM D7414		15.6	15.1	16.0			



OIL ANALYSIS REPORT



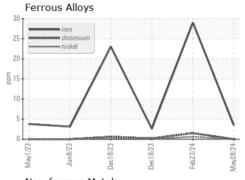


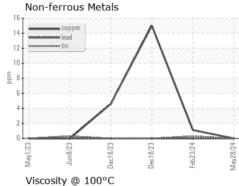


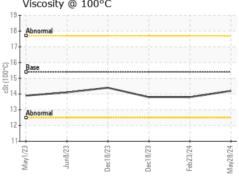
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

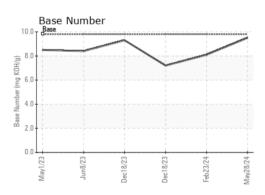
FLUID PROPI	EHILO	method			riistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	15.4	14.2	13.8	13.8

GRAPHS













Certificate 12367

Laboratory Sample No.

Lab Number : 06195197 Unique Number : 11057320

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0122522 Received **Tested**

: 31 May 2024 Diagnosed : 31 May 2024 - Wes Davis

: 30 May 2024

GFL Environmental - 415 - Michigan East

6200 Elmridge Sterling Heights, MI US 48313 Contact: Frank Wolak

fwolak@gflenv.com T: (586)825-9514

* - 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)