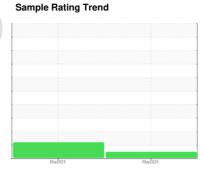


OIL ANALYSIS REPORT







DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

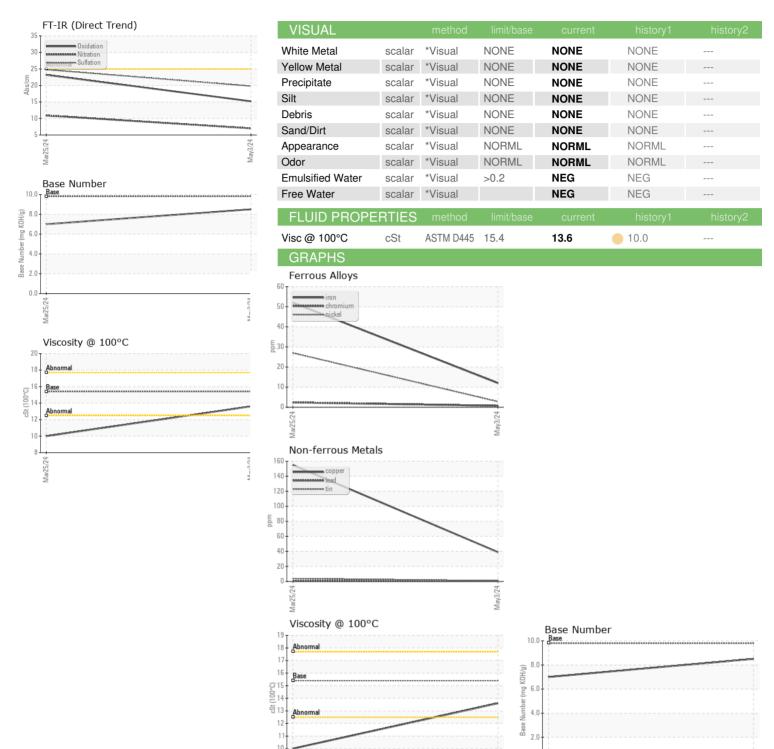
Fluid Condition

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

N SHP 15W40 (-	QTS)		Mar2024	May2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0116195	GFL0092544	
Sample Date		Client Info		03 May 2024	25 Mar 2024	
Machine Age	hrs	Client Info		828	596	
Oil Age	hrs	Client Info		232	596	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ABNORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	0.3	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	12	52	
Chromium	ppm	ASTM D5185m	>20	<1	2	
Nickel	ppm	ASTM D5185m	>5	3	<u>▲</u> 27	
Titanium	ppm	ASTM D5185m	>2	<1	<1	
Silver	ppm	ASTM D5185m	>2	2	<1	
Aluminum	ppm	ASTM D5185m	>20	5	7	
Lead	ppm	ASTM D5185m	>40	<1	<1	
Copper	ppm	ASTM D5185m	>330	39	155	
Tin	ppm	ASTM D5185m	>15	<1	4	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	20	204	
Barium	ppm	ASTM D5185m	0	0	1	
Molybdenum	ppm	ASTM D5185m	60	67	128	
Manganese	ppm	ASTM D5185m	0	<1	5	
Magnesium	ppm	ASTM D5185m	1010	970	675	
Calcium	ppm	ASTM D5185m	1070	1152	1417	
Phosphorus	ppm	ASTM D5185m	1150	1053	695	
Zinc	ppm	ASTM D5185m	1270	1225	834	
Sulfur	ppm	ASTM D5185m	2060	3481	2196	
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	69	
Sodium	ppm	ASTM D5185m	00	3	7	
Potassium	ppm	ASTM D5185m	>20	12	8	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.4	0.7	
Nitration	Abs/cm	*ASTM D7624	>20	7.0	10.9	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	24.8	
FLUID DEGRAI	NOITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2	23.2	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.5	7.0	



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number : 06191418

: GFL0116195 Unique Number : 11048170 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 May 2024

Tested : 29 May 2024 Diagnosed : 29 May 2024 - Wes Davis

0.0

GFL Environmental - 935 - Omro HC

250 Alder Avenue Omro, WI US 54963

Contact: Tim Kieffer tim.kieffer@gflenv.com T: (608)219-0288

Certificate 12367 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)