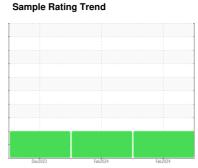


OIL ANALYSIS REPORT







DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

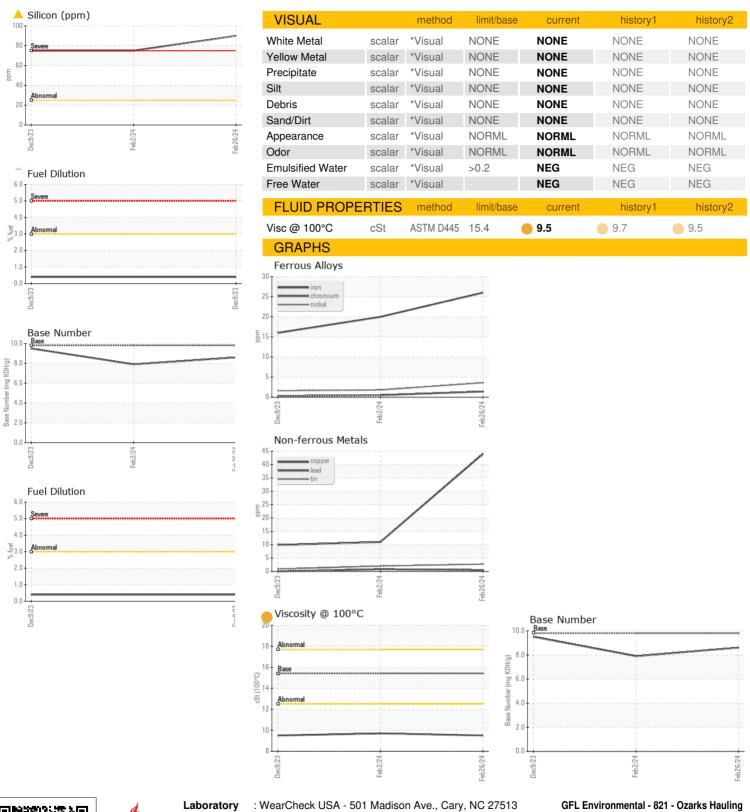
Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

N SHP 15W40 (8	B GAL)	De	Dec2023 Feb2024 Feb2024			
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0105306	GFL0105222	GFL0105129
Sample Date		Client Info		26 Feb 2024	02 Feb 2024	09 Dec 2023
Machine Age	hrs	Client Info		390	249	126
Oil Age	hrs	Client Info		390	249	126
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
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	26	20	16
Chromium	ppm	ASTM D5185m	>20	1	<1	<1
Nickel	ppm	ASTM D5185m	>5	4	2	2
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	6	6	5
_ead	ppm	ASTM D5185m	>40	<1	<1	0
Copper	ppm	ASTM D5185m	>330	44	11	10
Гіп	ppm	ASTM D5185m	>15	3	2	<1
/anadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	317	393	401
Barium	ppm	ASTM D5185m	0	2	0	0
Molybdenum	ppm	ASTM D5185m	60	123	122	123
Manganese	ppm	ASTM D5185m	0	5	4	4
Magnesium	ppm	ASTM D5185m	1010	626	662	683
Calcium	ppm	ASTM D5185m	1070	1350	1405	1504
Phosphorus	ppm	ASTM D5185m	1150	596	689	721
Zinc	ppm	ASTM D5185m	1270	764	803	813
Sulfur	ppm	ASTM D5185m	2060	2375	2375	2417
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<u> </u>	△ 75	△ 75
Sodium	ppm	ASTM D5185m		3	4	2
Potassium	ppm	ASTM D5185m	>20	6	6	3
Fuel	%	ASTM D3524	>3.0	<1.0	<1.0	0.4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.2	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.0	7.2	6.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.7	25.2	26.2
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.7	20.6	20.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.6	7.9	9.5
	5					



OIL ANALYSIS REPORT







Sample No.

: GFL0105306

Lab Number : 06102740 Unique Number: 10900970

Received : 28 Feb 2024 **Tested**

Diagnosed Test Package: FLEET (Additional Tests: FuelDilution)

: 29 Feb 2024 : 29 Feb 2024 - Don Baldridge 33924 Olath Drive Lebanon, MO US 65536

> Contact: Landen Johnson landen.johnson@gflenv.com T: (417)664-0010

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)