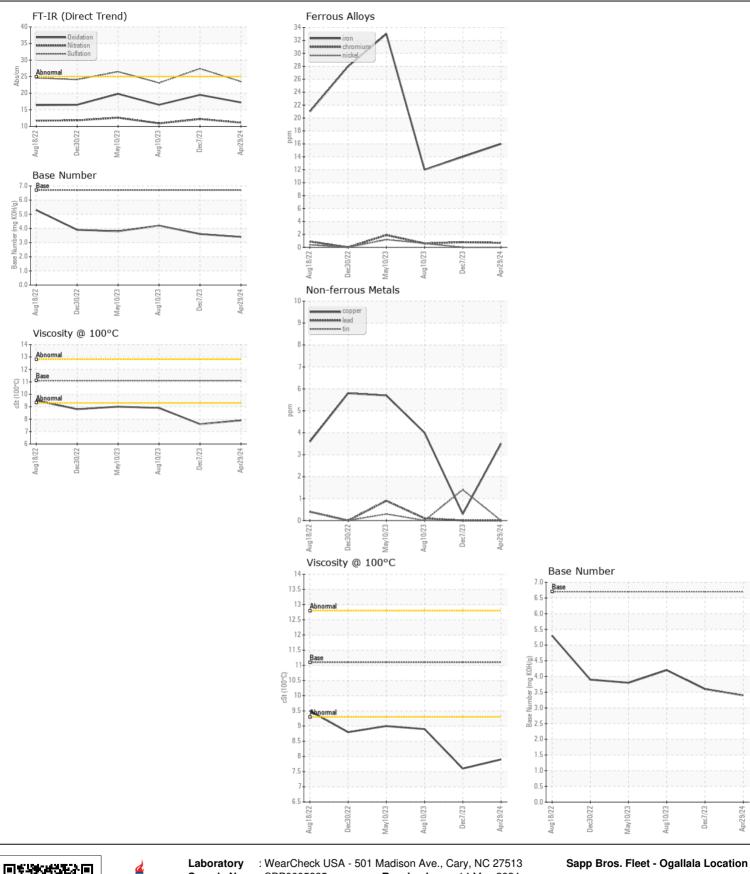
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id

98041 307
Component
Gasoline Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		SBP0005885	SBP0005534	SBP000465
Resample at the next service interval to monitor.	Sample Date		Client Info		29 Apr 2024	07 Dec 2023	10 Aug 202
	Machine Age	mls	Client Info		203263	197132	192282
	Oil Age	mls	Client Info		6131	4850	6175
	Filter Age	mls	Client Info		6131	4850	6175
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
/EAR	Iron	ppm	ASTM D5185m	>150	16	14	12
	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	<1
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>40	4	6	4
	Lead	ppm	ASTM D5185m		0	0	<1
	Copper	ppm	ASTM D5185m		4	<1	4
	Tin	ppm	ASTM D5185m		0	1	0
	Vanadium	ppm	ASTM D5185m		<1	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NON
ONTAMINATION	Silicon	ppm	ASTM D5185m	>30	12	8	12
ONTAMINATION	Potassium	ppm	ASTM D5185m		0	8	3
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	70.L	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0	0	0
	Nitration	Abs/cm	*ASTM D7624	>20	11.1	12.2	10.9
	Sulfation	Abs/.1mm	*ASTM D7415		23.5	27.4	23.1
	Silt	scalar	*Visual	NONE	NONE	NONE	NONI
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORN
	Odor	scalar	*Visual	NORML	NORML	NORML	NORN
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
LUD CONDITION			AOTA DELOE	400			
LUID CONDITION	Sodium	ppm	ASTM D5185m	>400	5	3	6
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		21	28	36
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		77	62	76
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		544	479	582
	Calcium	ppm	ASTM D5185m		1004	834	986
	Phosphorus	ppm	ASTM D5185m		684	624	718
	Zinc	ppm	ASTM D5185m		770	774	873
	Sulfur	ppm	ASTM D5185m	05	2994	2568	2712
	Oxidation	Abs/.1mm	*ASTM D7414 ASTM D2896		17.2 3.4	19.5 3.6	16.5 4.2







Certificate L2367

Unique Number : 11029655

Sample No.

Test Package : FLEET

: SBP0005885 Lab Number : 06178329

Received : 14 May 2024 **Tested** : 21 May 2024

Diagnosed

: 21 May 2024 - Sean Felton

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)

Contact: Service Manager

US

T:

F: