

Gasoline Engine Fluid NOT GIVEN (--- GAL)

Machine Id 98226 Component

					~		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Number		Client Info		SBP0007539	SBP0005571	
	Sample Date		Client Info		28 Jun 2024	09 Jan 2024	
	Machine Age	mls	Client Info		120581	106324	
	Oil Age	mls	Client Info		7500	7500	
	Filter Age	mls	Client Info		7500	7500	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	ABNORMAL	
				4 5 0			
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m		51	63	
	Chromium	ppm	ASTM D5185m		2	3	
	Nickel	ppm	ASTM D5185m	>5	<1	0	
	Titanium	ppm	ASTM D5185m	0	0	<1	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m		13	13	
	Lead	ppm	ASTM D5185m		<1	0	
	Copper	ppm	ASTM D5185m		4	3	
	Tin	ppm	ASTM D5185m	>10	<1	<1	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>30	24	▲ 32	
CONTAMINATION	Potassium	ppm	ASTM D5185m		6	3	
There is no indication of any contamination in the oil.	Fuel	%	ASTM D3524		<1.0	<1.0	
	Water	,.	WC Method		NEG	NEG	
	Glycol		WC Method	/ 0.1	NEG	NEG	
	Soot %	%	*ASTM D7844		0.1	0	
	Nitration	Abs/cm	*ASTM D7624	>20	12.3	11.6	
	Sulfation	Abs/.1mm	*ASTM D7415		22.7	22.4	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		4	4	
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	23	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		87	106	
	Manganese	ppm	ASTM D5185m		<1	1	
	Magnesium	ppm	ASTM D5185m		453	498	
	Calcium	ppm	ASTM D5185m		1138	983	
	Phosphorus	ppm	ASTM D5185m		689	600	
	Zinc	ppm	ASTM D5185m		792	667	
	Sulfur	ppm	ASTM D5185m		2566	2413	
	Oxidation	Abs/.1mm	*ASTM D7414	>25	18.3	17.6	
	Deee Number (DNI)		AOTH DOCCO			0.1	

Base Number (BN) mg KOH/g ASTM D2896

ASTM D445

Visc @ 100°C cSt

2.1

7.8

3.6

7.7

NORMAL

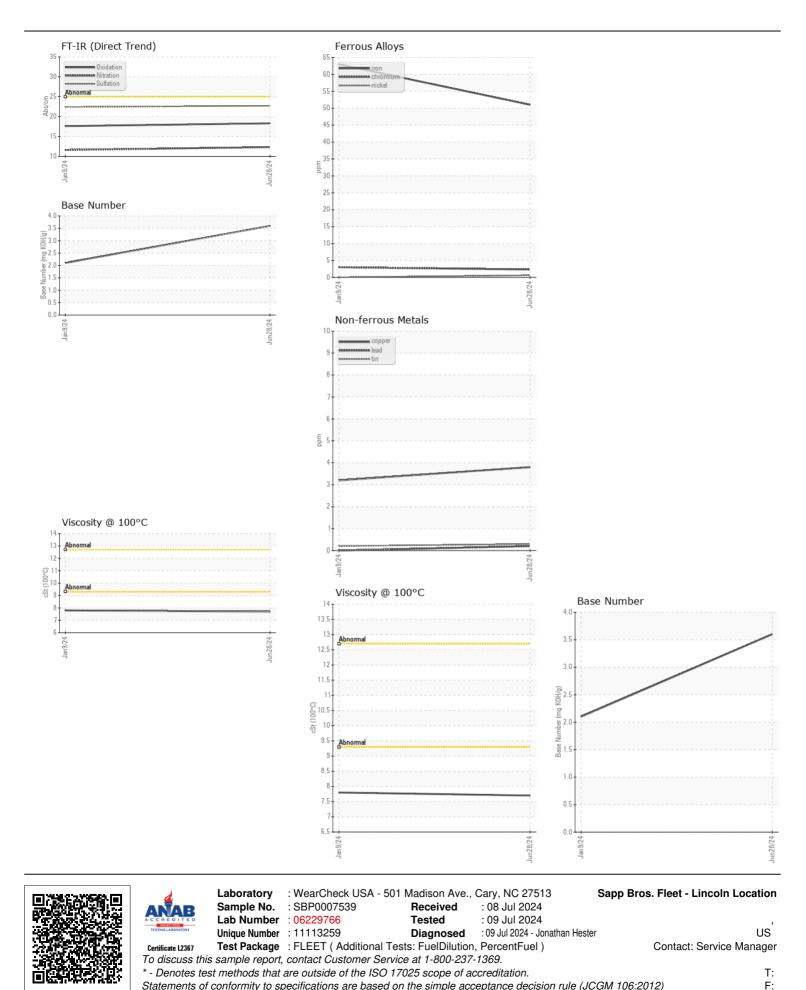
NORMAL

NORMAL

WEAR

CONTAMINATION

FLUID CONDITION



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: JEREMY WALLACE Page 2 of 2