

OIL ANALYSIS REPORT

Sample Rating Trend



PHILADELPHIA A-803.1 Component

Gearbox Fluic GEAR OIL LS 80W90 (--- LTR)

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

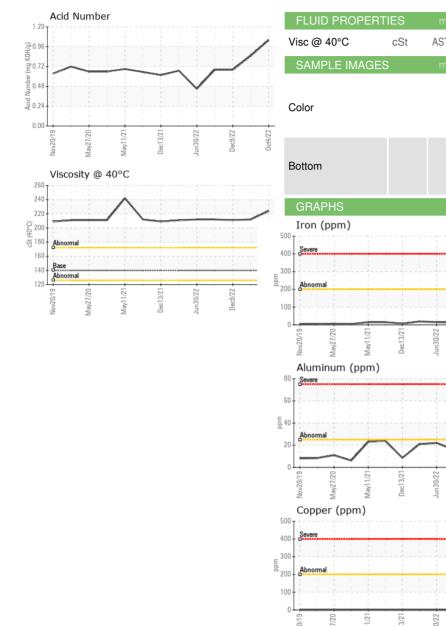
		Nov2019	May2020 May2021	Dec2021 Jun2022 Dec2022	Oct2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		HPL0004020	HPL0003576	HPL0001830
Sample Date		Client Info		04 Oct 2023	02 Jun 2023	09 Dec 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	MARGINAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>200	8	17	14
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		6	8	6
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	24	22	17
ead	ppm	ASTM D5185m	>50	0	0	1
Copper	ppm	ASTM D5185m	>200	0	0	<1
īn	ppm	ASTM D5185m	>10	0	0	<1
/anadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	150	<1	3	<1
Barium	ppm	ASTM D5185m		<1	0	0
Nolybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	<1	0
<i>l</i> agnesium	ppm	ASTM D5185m	10	3	<1	4
Calcium	ppm	ASTM D5185m	70	108	367	101
Phosphorus	ppm	ASTM D5185m	2000	451	651	540
Zinc	ppm	ASTM D5185m	50	22	8	2
Sulfur	ppm	ASTM D5185m	20000	1894	1080	1001
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	2	2
Sodium	ppm	ASTM D5185m		9	12	9
Potassium	ppm	ASTM D5185m	>20	0	2	7
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.04	0.85	0.68
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
ellow 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	LIGHT	🔺 MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Ddor	scalar	*Visual	NORML	NORML	NORML	NORML
Appearance Odor Emulsified Water Free Water						

Report Id: STEELW [WUSCAR] 05982532 (Generated: 10/20/2023 12:54:37) Rev: 1

Contact/Location: Gregory Brooker - STEELW



OIL ANALYSIS REPORT



260

240

220 (0°05) 180-2005 180-

160

140 120

Laboratory

Sample No.

Lab Number

Unique Number

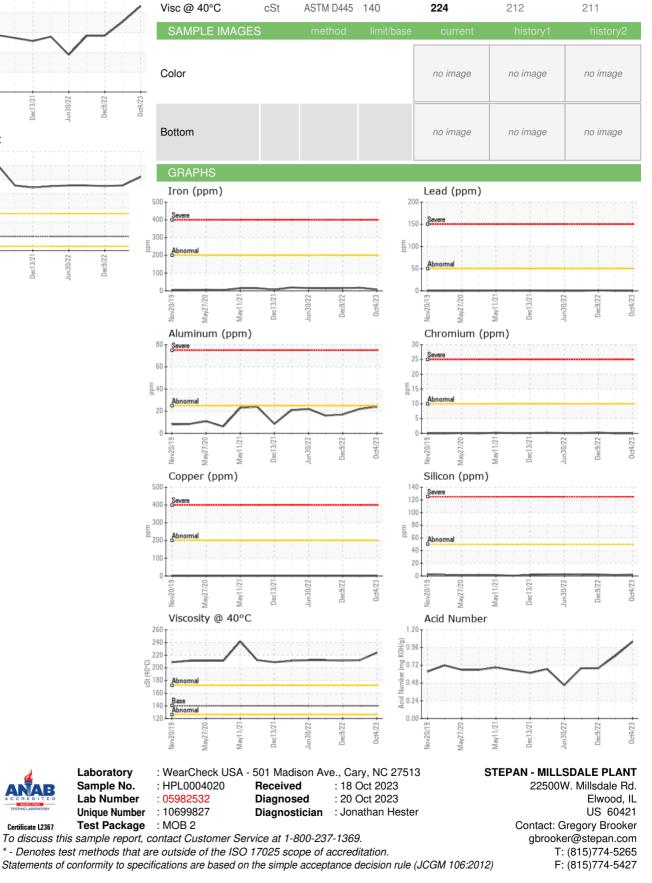
Test Package : MOB 2

Mav27/20

: HPL0004020

: 05982532

: 10699827



Certificate L2367

Contact/Location: Gregory Brooker - STEELW