

## **OIL ANALYSIS REPORT**

## Sample Rating Trend







# HAPL Machine Id HAPL BRIDLE 2.2 (S/N 16-1100-0174)

Gearbox

NOT GIVEN (--- QTS)

### DIAGNOSIS

#### 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.

		.pr2015 Jun20	16 Aug2017 Sep2018 Au	g2019 Jul2020 Jun2021 Jul2022	Aug2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0035439	RP0035451	RP0031233
Sample Date		Client Info		24 Aug 2023	03 Aug 2023	24 Mar 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		15	15	12
Iron	ppm	ASTM D5185m	>200	9	41	8
Chromium	ppm	ASTM D5185m	>15	0	<1	0
Nickel	ppm	ASTM D5185m	>15	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	<1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	<1	<1
Tin	ppm	ASTM D5185m	>25	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	18	5
Barium	ppm	ASTM D5185m		1	2	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	1	<1
Magnesium	ppm	ASTM D5185m		<1	4	<1
Calcium	ppm	ASTM D5185m		30	20	29
Phosphorus	ppm	ASTM D5185m		119	230	115
Zinc	ppm	ASTM D5185m		9	25	8
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6	2	6
Sodium	ppm	ASTM D5185m		0	1	2
Potassium	ppm	ASTM D5185m	>20	5	2	3
Water	%	ASTM D6304	>0.2	0.005	0.009	0.020
ppm Water	ppm	ASTM D6304	>2000	51.6	97.6	204.0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

0.28

0.78

Acid Number (AN)

mg KOH/g ASTM D8045

0.29



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: RP0035439 : 05935579 : 10620850

**Unique Number** 

Diagnosed Diagnostician : Don Baldridge

Test Package : IND 2 (Additional Tests: PQ)

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

Received

: 25 Aug 2023

: 28 Aug 2023

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.

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