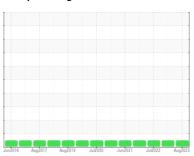


## **OIL ANALYSIS REPORT**

## Sample Rating Trend







# HAPL Machine Id HAPL BRIDLE 1.1 SNUBBER ROLL

Gearbox

GEAR OIL ISO 220 (--- 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.

		Jun2016 A	lug2017 Aug2019	Jul2020 Jun2021 Jul2022	Aug2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0035435	RP0031166	RP0028610
Sample Date		Client Info		24 Aug 2023	24 Mar 2023	15 Jul 2022
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	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		86	68	67
Iron	ppm	ASTM D5185m	>200	105	103	76
Chromium	ppm	ASTM D5185m	>15	<1	<1	<1
Nickel	ppm	ASTM D5185m	>15	<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
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	<1
Antimony	ppm	ASTM D5185m	>5			
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	50	0	1	3
Barium	ppm	ASTM D5185m	15	1	0	0
Molybdenum	ppm	ASTM D5185m	15	0	0	0
Manganese	ppm	ASTM D5185m		1	1	<1
Magnesium	ppm	ASTM D5185m	50	<1	<1	0
Calcium	ppm	ASTM D5185m	50	26	27	21
Phosphorus	ppm	ASTM D5185m	350	132	130	106
Zinc	ppm	ASTM D5185m	100	3	2	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6	5	3
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	2	1	0
Water	%	ASTM D6304	>0.2	0.004	0.018	0.018
ppm Water	ppm	ASTM D6304	>2000	42.0	189.3	181.1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

0.18

Acid Number (AN) mg KOH/g ASTM D8045 0.85

0.22

0.61



## **OIL ANALYSIS REPORT**



Received

Diagnosed

: 25 Aug 2023

: 28 Aug 2023





Certificate L2367

Laboratory Sample No.

Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : RP0035435

: 05935578 : 10620849

**Unique Number** 

Diagnostician : Don Baldridge Test Package : IND 2 (Additional Tests: PQ) 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)

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