

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area **HAPL**

HAPL 3.2 BRIDLE NO.3 W/ DEFLECTOR ROLL (S/N 16-1100-0415)

Component

Gearbox

ISO 320 (--- QTS)

DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

Fluid Condition

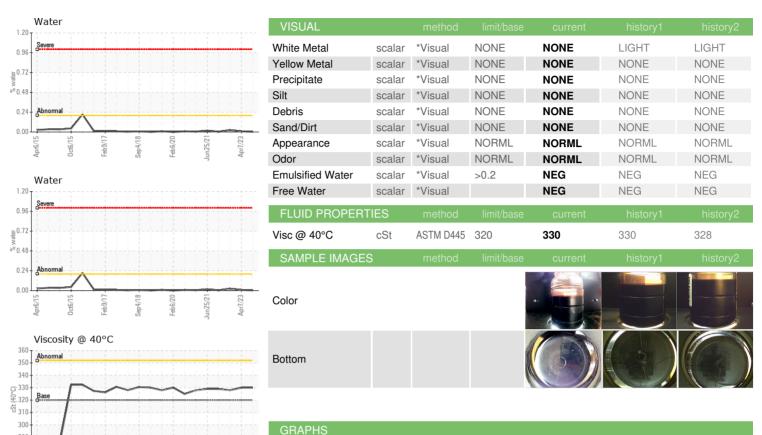
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

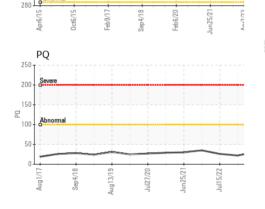
Sample Number	Client Info	2		RF	20035	528	RPC) ()
SAMPLE INFORMATION	method	li	imit/ba	se	curr	ent		hi
	pr2015	Oct2015	Feb2017	Sep2018	Feb 2020	Jun2021	Apr2023	
(5/// 15 1100 5110)								
LL (S/N 16-1100-0415)								
								1

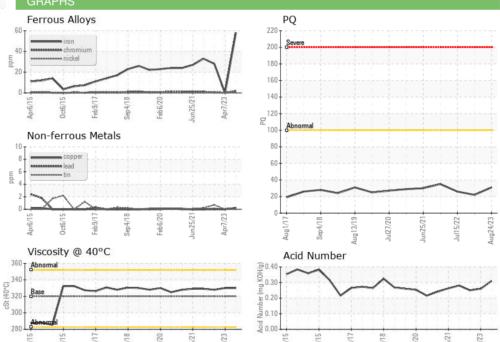
Sample Number		Client Info		RP0035528	RP0031245	RP0028885
Sample Date	In or a	Client Info		24 Aug 2023	07 Apr 2023	15 Jul 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0 N/A	N/A	N/A
Oil Changed Sample Status		Client into		NORMAL	NORMAL	NORMAL
				-		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		31	22	26
Iron	ppm	ASTM D5185m	>200	58	0	28
Chromium	ppm	ASTM D5185m	>15	2	0	<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	0	<1
Lead	ppm		>100	<1	0	0
Copper	ppm	ASTM D5185m	>200	<1	0	<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		6	0	5
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		34	0	31
Phosphorus	ppm	ASTM D5185m		131	0	73
Zinc	ppm	ASTM D5185m		6	0	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	5	0	2
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	4	<1	<1
Water	%	ASTM D6304	>0.2	0.003	0.008	0.022
ppm Water	ppm	ASTM D6304	>2000	36.2	84.4	224.4
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.31	0.26	0.25



OIL ANALYSIS REPORT









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Laboratory Sample No. Lab Number **Unique Number**

SS

: RP0035528 : 05935567

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed : 10620838

: 28 Aug 2023 : Wes Davis Diagnostician

: 25 Aug 2023

Test Package : IND 2 (Additional Tests: PQ) Certificate L2367 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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