

OIL ANALYSIS REPORT

Area CAPL CAPL-BRIDLEROLL 4.2 (S/N 16-3100-0615) Gearbox

Fluid GEAR OIL ISO 460 (--- 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

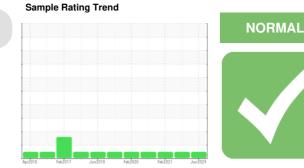
All component wear rates are normal.

Contamination

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

Fluid Condition

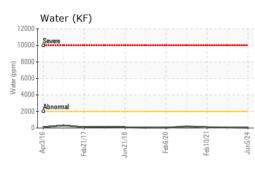
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

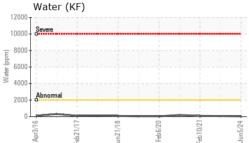


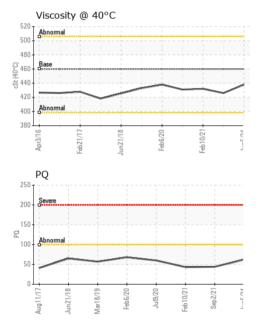
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0044205	RP0010625	RP0013736
Sample Date		Client Info		05 Jun 2024	02 Sep 2021	10 Feb 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		62	44	43
Iron	ppm	ASTM D5185m	>200	106	33	55
Chromium	ppm	ASTM D5185m	>15	1	4	<1
Nickel	ppm	ASTM D5185m	>15	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	2	<1	0
Lead	ppm	ASTM D5185m	>100	0	1	0
Copper	ppm	ASTM D5185m	>200	1	4	<1
Tin	ppm	ASTM D5185m	>25	0	0	0
Antimony	ppm	ASTM D5185m	>5		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	50	23	12	15
Barium	ppm	ASTM D5185m	15	6	0	8
Molybdenum	ppm	ASTM D5185m	15	<1	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	50	<1	8	1
Calcium	ppm	ASTM D5185m	50	15	32	44
Phosphorus	ppm	ASTM D5185m	350	185	216	198
Zinc	ppm	ASTM D5185m	100	37	40	10
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6	4	2
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water	%	ASTM D6304	>0.2	0.002	0.006	0.008
ppm Water	ppm	ASTM D6304	>2000	18	63.1	89.5
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.91	0.606	0.619



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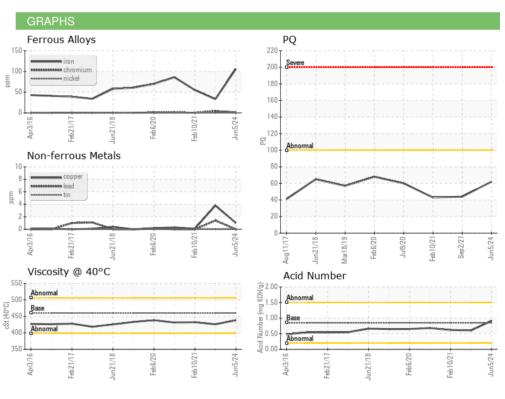






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	460	438	426	432
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Detter						

Bottom



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **OUTOKUMPU STAINLESS USA** Sample No. : RP0044205 Received : 06 Jun 2024 HWY 43 N F Lab Number : 06201580 Tested : 07 Jun 2024 CALVERT, AL Unique Number : 11063703 Diagnosed : 07 Jun 2024 - Wes Davis US 36513 Test Package : IND 2 (Additional Tests: PQ) Contact: MARIO JOHNSON Certificate 12367 Mario.johnson@outokumpu.com 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. T: (251)321-4105

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

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Submitted By: DALE ROBINSON

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