

OIL ANALYSIS REPORT

Area CAPL CAPL BRIDLE ROLL 5.2 ROLL 2 (S/N 16-3100-0660) 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

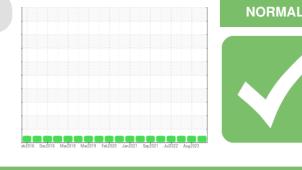
All component wear rates are normal.

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.

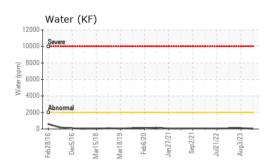


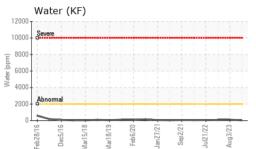
Sample Rating Trend

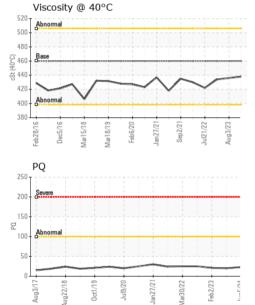
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Sample Number		Client Info		RP0044142	RP0035608	RP0030711
Sample Date		Client Info		05 Jun 2024	03 Aug 2023	02 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		23	20	21
Iron	ppm	ASTM D5185m	>200	39	33	29
Chromium	ppm	ASTM D5185m	>15	<1	<1	<1
Nickel	ppm	ASTM D5185m	>15	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	<1	0
Tin	ppm	ASTM D5185m	>25	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	16	16	14
Barium	ppm	ASTM D5185m	15	1	0	0
Molybdenum	ppm	ASTM D5185m	15	<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	50	2	2	<1
Calcium	ppm	ASTM D5185m	50	16	16	14
Phosphorus	ppm	ASTM D5185m	350	204	226	181
Zinc	ppm	ASTM D5185m	100	19	10	13
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	2	2
Sodium	ppm	ASTM D5185m		0	1	0
Potassium	ppm	ASTM D5185m	>20	1	<1	<1
Water	%	ASTM D6304	>0.2	0.003	0.010	0.007
ppm Water	ppm	ASTM D6304	>2000	35	108.9	74.8
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.69	0.73	0.63



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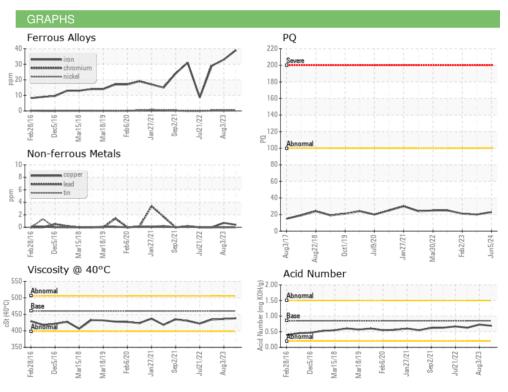






VISUAL		mathad	limit/booo	ourropt	biotorut	history 0
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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 PROPERT		method	limit/base	current	history1	history2
FLUID FROFENI	IE3	memou	IIIIIIVDASE	current	TIISTOLA I	mstoryz
Visc @ 40°C	cSt	ASTM D445	460	438	436	434
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						J

Bottom



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **OUTOKUMPU STAINLESS USA** : RP0044142 Sample No. Received : 06 Jun 2024 HWY 43 N Lab Number : 06201564 Tested : 07 Jun 2024 CALVERT, AL Unique Number : 11063687 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)

Report Id: OUTCALAL [WUSCAR] 06201564 (Generated: 06/07/2024 12:32:57) Rev: 1

Submitted By: DALE ROBINSON

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