

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

CRM54 CRM 54 MOTOR (S/N 16-2200-0700)

Bearing

AW HYDRAULIC OIL ISO 46 (92 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

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

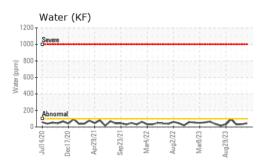
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

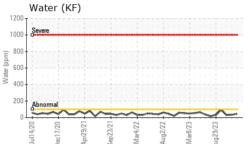
	NORMAL
2020 Dec2020 Apr2021 Sep2021 Mar2022 Aug2022 Mar2023 Aug2023	

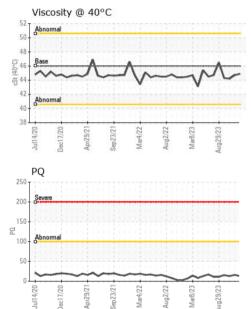
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0038003	RP0042642	RP0039118
Sample Date		Client Info		08 Apr 2024	05 Mar 2024	07 Feb 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		13	16	13
Iron	ppm	ASTM D5185m	>20	0	2	<1
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	2	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	1	2	2
Tin	ppm	ASTM D5185m	>20	11	13	12
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	25	0	<1	0
Calcium	ppm	ASTM D5185m	200	41	53	46
Phosphorus	ppm	ASTM D5185m	300	311	301	316
Zinc	ppm	ASTM D5185m	370	394	419	374
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	2	<1
Sodium	ppm	ASTM D5185m		1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>2	0.004	0.003	0.003
ppm Water	ppm	ASTM D6304		45	34	30
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.34	0.37	0.32



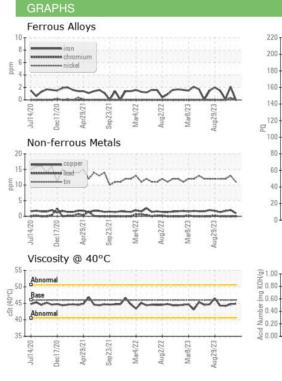
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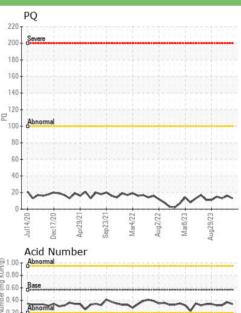






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.9	44.7	44.2
SAMPLE IMAGES	5	method	limit/base	current	history1	history2
Color						
Bottom				•		





Apr29/21

en23/2

Jul14/20 Dec17/20

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **OUTOKUMPU STAINLESS USA** : RP0038003 Sample No. Received : 09 Apr 2024 HWY 43 N Lab Number : 06143138 Tested : 10 Apr 2024 CALVERT, AL Unique Number : 10967946 Diagnosed : 11 Apr 2024 - Angela Borella 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] 06143138 (Generated: 04/11/2024 18:34:23) Rev: 1

Submitted By: DALE ROBINSON

Aug2/22 -

Mar4/22

Mar8/23

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