

OIL ANALYSIS REPORT

Area Recovery Alfa Laval FHG26CC01 Centrifuge Gearbox

Fluid MOBIL MOBILGEAR 600 XP 320 (4 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

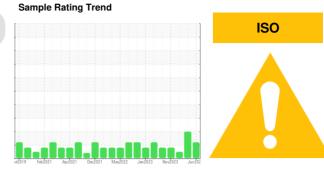
All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

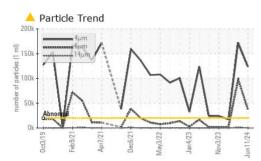
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

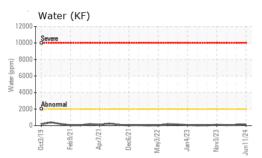


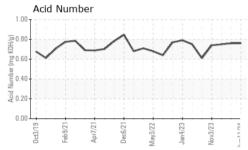
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0933670	WC0883710	WC0883687
Sample Date		Client Info		11 Jun 2024	09 May 2024	24 Jan 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	10	15	1
Chromium	ppm	ASTM D5185m	>15	<1	0	<1
Nickel	ppm	ASTM D5185m	>15	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	2	5	2
Lead	ppm	ASTM D5185m	>100	- <1	0	0
Copper	ppm	ASTM D5185m		19	38	4
Tin	ppm	ASTM D5185m	>25	<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		11	24	13
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		4	2	1
Calcium	ppm	ASTM D5185m		7	20	4
Phosphorus	ppm	ASTM D5185m		304	318	460
Zinc	ppm	ASTM D5185m		6	16	0
Sulfur	ppm	ASTM D5185m		16372	12077	14413
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	14	5
Sodium	ppm	ASTM D5185m		0	5	<1
Potassium	ppm	ASTM D5185m	>20	1	0	<1
Water	%	ASTM D6304	>0.2	0.012	0.007	0.006
ppm Water	ppm	ASTM D6304	>2000	124	74	61
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	A 123782	▲ 172082	17505
Particles >6µm		ASTM D7647	>5000	A 37361	A 98207	1298
Particles >14µm		ASTM D7647	>640	141	🔺 1117	29
Particles >21µm		ASTM D7647	>160	19	111	8
Particles >38µm		ASTM D7647	>40	5	2	0
Particles >71µm		ASTM D7647	>10	5	0	1
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u> </u>	▲ 25/24/17	21/17/12
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.76	0.76	0.75

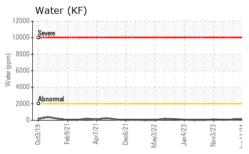


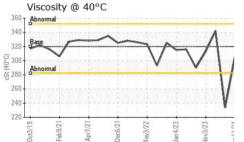
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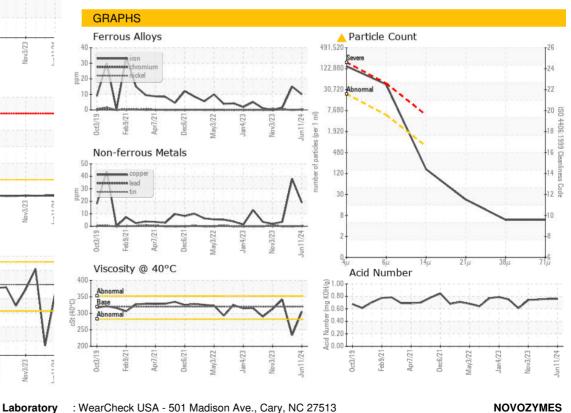






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	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	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	320	305	233.7	342
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						

Bottom





: WearCheck USA - 501 Madison Ave., Cary, NC 27513 NOVOZYMES P.O. BOX 576, 77 PERRY CHAPEL CHURCH ROAD : WC0933670 Received : 12 Jun 2024 Lab Number : 06207768 Tested : 18 Jun 2024 FRANKLINTON, NC : 18 Jun 2024 - Angela Borella Unique Number : 11075229 Diagnosed US 27525 Test Package : IND 2 (Additional Tests: KF, PrtCount) Contact: BRUCE THOMAS To discuss this sample report, contact Customer Service at 1-800-237-1369. brct@novozymes.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (919)494-3146 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (919)494-3456

Report Id: NOVFRANC [WUSCAR] 06207768 (Generated: 06/19/2024 13:48:03) Rev: 1

Certificate 12367

Sample No.

Submitted By: JOSH DARNELL

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